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TRINITY COLLEGE BULLETIN



CATALOGUE ISSUE

OCTOBER 1953

HARTFORD • CONN.

The Calendar for 1954 — 1955

1953	1954	1955
July S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	January S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ..	January S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ..
August S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ..	February S M T W T F S .. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 ..	February S M T W T F S ... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 ..
September S M T W T F S ... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ..	March S M T W T F S .. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ..	March S M T W T F S ... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ..
October S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	April S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	April S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
November S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ..	May S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ..	May S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ..
December S M T W T F S ... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ..	June S M T W T F S ... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ..	June S M T W T F S ... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 ..

(Boldface type indicates that the College is in session, also see page 11)

TRINITY COLLEGE BULLETIN

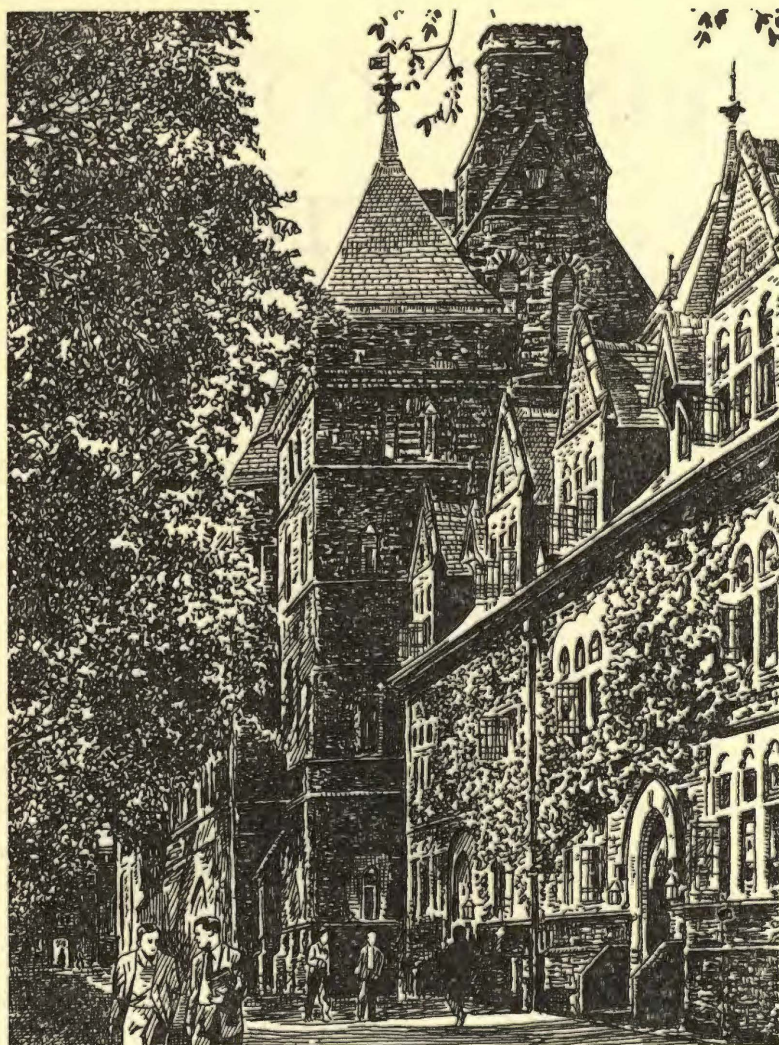
Catalogue Issue for 1954



One Hundred Thirty-first Year of the College

OCTOBER 1953

HARTFORD, CONNECTICUT



THE LONG WALK

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NEW SERIES

VOLUME L

NUMBER 8 (October 1953)

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ATTENTION IS CALLED TO THE FACT THAT ALL STUDENTS ARE TO BE GOVERNED BY THE RULES, REGULATIONS AND PROVISIONS CONTAINED IN THIS ANNOUNCEMENT AND IN THE PAMPHLET OF "TRINITY COLLEGE RULES AND REGULATIONS", SEPARATELY PUBLISHED, SUBJECT TO THE RIGHT OF THE TRUSTEES AND THE FACULTY TO REPEAL, CHANGE, AMEND OR TO ADD TO THEM OR ANY OF THEM.

College Calendar

(see inside front cover)

1953

SEPT. 21.	<i>Monday</i>	Christmas Term of the One Hundred Thirty-first Academic Year begins at 8:30 A. M.
NOV. 25.	<i>Wednesday</i>	Thanksgiving Recess begins at 4 P. M.
NOV. 29.	<i>Sunday</i>	Thanksgiving Recess ends at 5 P. M.
DEC. 19.	<i>Saturday</i>	Christmas Vacation begins at 12:00 M.

1954

JAN. 3.	<i>Sunday</i>	Christmas Vacation ends at 5 P. M.
JAN. 4.	<i>Monday</i>	Classes resumed at 8:30 A. M.
JAN. 18.	<i>Monday</i>	Christmas Examinations begin.
FEB. 1.	<i>Monday</i>	Trinity Term begins.
FEB. 22.	<i>Monday</i>	Washington's Birthday. Not a College holiday.
MAR. 18.	<i>Thursday</i>	Spring Recess begins at 4:00 P. M.
MAR. 28.	<i>Sunday</i>	Spring Recess ends at 5:00 P. M.
APR. 15.	<i>Thursday</i>	Easter Recess begins at 4:00 P. M.
APR. 18.	<i>Sunday</i>	Easter Recess ends at 5:00 P. M.
MAY 13.	<i>Thursday</i>	Honors Day.
MAY 25.	<i>Tuesday</i>	Classes end at 4:00 P. M.
MAY 26.	<i>Wednesday</i>	Trinity Examinations begin.
JUNE 13.	<i>Sunday</i>	One Hundred Twenty-eighth Commencement.
JUNE 21.	<i>Monday</i>	First session Summer School begins.
JULY 23.	<i>Friday</i>	First session Summer School ends.
JULY 26.	<i>Monday</i>	Second session Summer School begins.
AUG. 27.	<i>Friday</i>	Second session Summer School ends.
SEPT. 13.	<i>Monday</i>	Freshman Week begins.
SEPT. 16.	<i>Thursday</i>	Registration of Upperclass Students.
SEPT. 17.	<i>Friday</i>	Registration of Upperclass Students continued.

SEPT. 20.	<i>Monday</i>	Christmas Term of the One Hundred Thirty-second Academic Year begins at 8:30 A. M.
NOV. 24.	<i>Wednesday</i>	Thanksgiving Recess begins at 4:00 P. M.
NOV. 28.	<i>Sunday</i>	Thanksgiving Recess ends at 5:00 P. M.
DEC. 18.	<i>Saturday</i>	Christmas Vacation begins at 12:00 M.

1955

JAN. 2.	<i>Sunday</i>	Christmas Vacation ends at 5:00 P. M.
JAN. 17.	<i>Monday</i>	Christmas Examinations begin.
JAN. 31.	<i>Monday</i>	Trinity Term begins.
FEB. 22.	<i>Tuesday</i>	Washington's Birthday. Not a College holiday.
MAR. 30.	<i>Wednesday</i>	Easter Vacation begins at 4:00 P. M.
APR. 11.	<i>Monday</i>	Easter Vacation ends at 5:00 P. M.
MAY 12.	<i>Thursday</i>	Honors Day.
MAY 25.	<i>Wednesday</i>	Trinity Examinations begin.
JUNE 12.	<i>Sunday</i>	One Hundred Twenty-ninth Commencement.
JUNE 20.	<i>Monday</i>	First Session Summer School begins.
JULY 22.	<i>Friday</i>	First Session Summer School ends.
JULY 25.	<i>Monday</i>	Second Session Summer School begins.
AUG. 26.	<i>Friday</i>	Second Session Summer School ends.
SEPT. 12.	<i>Monday</i>	Freshman Week begins.
SEPT. 15.	<i>Thursday</i>	Registration of Upperclass Students.
SEPT. 16.	<i>Friday</i>	Registration of Upperclass Students continued.
SEPT. 19.	<i>Monday</i>	Christmas Term of the One Hundred Thirty-third Academic Year begins at 8:30 A. M.

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Elton Hall

SAMUEL FRENCH MORSE, B.A. 1936 (DARTMOUTH), M.A. 1938 (HARVARD), PH.D. 1952 (BOSTON UNIVERSITY)

Instructor in English

134 Vernon Street

AUGUST EDWARD SAPEGA, B.S. 1946, M.S. 1951 (COLUMBIA)

Instructor in Engineering

147 Zion Street

MICHAEL RICHARD CAMPO, B.A. 1948 (TRINITY), M.A. 1953 (JOHNS HOPKINS)

Instructor in Romance Languages

92 Vernon Street

CLIFFORD NELSON CASSIDY, B.S. 1946 (HARVARD), M.A. 1949 (UNIVERSITY OF CHICAGO)

Instructor in Psychology

769 Blue Hills Avenue

ROY ALFRED DATH, B.S. 1951 (STATE TEACHER'S COLLEGE)

Instructor in Physical Education

Cromwell, Conn.

EUGENE VAN NESS GOETCHIUS, B.A. 1941, M.SC. 1947, M.A. 1948, PH.D. 1949 (UNIVERSITY OF VIRGINIA), S.T.B. 1952 (EPISCOPAL THEOLOGICAL SCHOOL)

Assistant Chaplain and Instructor in Religion

Elton Hall

PAUL WINTER KURTZ, B.A. 1948 (N.Y.U.), M.A. 1949, PH.D. 1952 (COLUMBIA)

Instructor in Philosophy

28 Vine Street

NORMAN ROBERT MAILLOUX, FIRST LIEUTENANT, UNITED STATES AIR FORCE

Instructor of Air Science and Tactics 24 Grimes Road, Rocky Hill

ALFRED SANDLIN REID, B.E. 1948 (UNIVERSITY OF MIAMI), M.A. 1950, PH.D. 1952 (UNIVERSITY OF FLORIDA)

Instructor in English 1650 Broad Street

ROBERT DENNIS SLAUGHTER, B.S. 1948 (SPRINGFIELD)

Instructor in Physical Education 51 Sheldon Street, Springfield

JOSEPH ALLEN YOUNG, MASTER SERGEANT, UNITED STATES AIR FORCE

Instructor of Air Science and Tactics

138 Hillcrest Avenue, West Hartford

DONALD JACK HALSTEAD, TECHNICAL SERGEANT, UNITED STATES AIR FORCE

Instructor of Air Science and Tactics 54 Vernon Street

ROBERT ELLSWORTH MONTGOMERY, B.S. 1948 (GROVE CITY), M.S. 1950 (UNIVERSITY OF ILLINOIS)

Instructor in Mathematics

ROBERT M. RAUNER

Instructor in Economics

JOHN S. ROBERTS, JR., B.A. 1950 (MIDDLEBURY), M.A. 1953 (MIDDLEBURY)

Instructor in German 235 Newbury Street

ANTHONY J. RUSSO, B.A.RCHT. 1949 (CATHOLIC UNIVERSITY)

Instructor in Engineering 77 Hanmer Street

COMSTOCK SMALL, B.A. 1947 (MIDDLEBURY), M.A. 1951 (SYRACUSE)

Instructor in Geology

8

ANTHONY JAMES PETRO, B.S., *Assistant in Chemistry*

90 Sperry Street, Waterbury

HILTON ANDREW ROTH, B.S., *Assistant in Chemistry*

36 Norwich Avenue

JOHN MARSHALL SHUTE, B.S., *Assistant in Chemistry* 69 James Street

FRANK WARREN STARK, B.S., *Assistant in Chemistry*

Beaverbrook Road, Lyme

M/SGT. EDWIN HENRY GALLAGHER, *Assistant in Air Science and Tactics*

58 Hendrixsen Avenue

M/SGT. STANISLAUS LADNY, *Assistant in Air Science and Tactics*

46 Circle Drive, Windsor Locks

M/SGT. WARREN JOHN MANN, *Assistant in Air Science and Tactics*

19 Walkely Road, West Hartford

T/SGT. PAUL JAMES MATTE, *Assistant in Air Science and Tactics*

5 Lincoln Street

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- MATTHEW SPINKA, B.A. (COE), B.D. (CHICAGO THEOLOGICAL), M.A., PH.D. (CHICAGO), TH.D. (PRAGUE)
Visiting Professor of History 92 Sherman Street
- JAMES LARRYMORE WILSON, B.A. 1931 (CALIFORNIA), M.A. 1939 (YALE), PH.D. 1947 (NORTH CAROLINA)
Visiting Assistant Professor of English R.F.D. No. 2, Madison
- JAMES LEO NOONAN EGAN, B.A. 1937 (TRINITY), LL.B. 1942 (HARVARD LAW)
Visiting Instructor in Classical Languages 351 Hughes Street
- EVAN LAWN, B.A. 1938, M.A. (CORNELL)
Visiting Instructor in Government Old Hebron Road, Colchester

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ADMISSIONS—The Dean,* Dean of Students (Registrar),* Secretary of Admissions,* Scheuch (1), Bennett (1), Burger (2), Wright (2).

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* Ex officio.

† On leave during 1953-54.

‡ On leave during Trinity Term, 1954.

§ Student.

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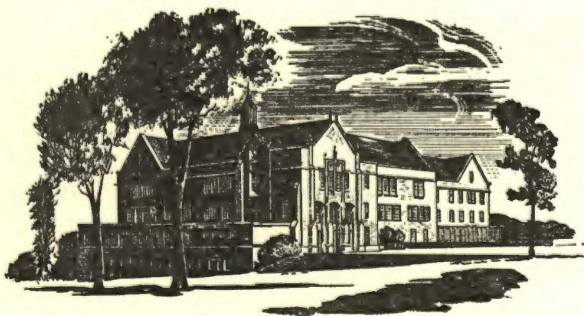
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* *Ex officio*.

† On leave during Trinity Term, 1954.

§ Student.



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Trinity College

TRINITY takes pride in being a personal College, a small community of young men seeking the guidance of a distinguished faculty of scholarly teachers. Enrollment averages 900 men. In addition 250 students are studying in the evening program. Classes average seventeen men with a ratio of faculty members to students of one to eleven. Trinity has no temporary buildings.

Trinity is also an old college, now in its 131st year. Age has brought mature experience in formulating a pattern of education for the world of today. And it has resulted in a body of tradition which inspires Trinity men not only as undergraduates but throughout their lives.

Located at Hartford, Connecticut, three hours from New York City, Boston, or Albany, Trinity is the only small New England men's college in a metropolitan center. The English-style quadrangle of the main buildings is located on a hill in the southwestern section of the city. An eighty acre campus combines advantages of a rural setting and scholarly seclusion with nearness to great industrial plants, business, the state government, and a progressive and cultured city. Here liberal arts and science students find their laboratories of life in contemporary society.

The College is noted for its steady insistence on the fundamental and unchanging values and requirements of a four year liberal education. Graduate schools have a high regard for Trinity's training in pre-professional programs.

The College is endowed with a plant valued at more than six million dollars. The gifts of past generations provide income to cover almost half the normal cost of educating each student.

Students come from all parts of the nation and from several foreign countries. Over five thousand alumni are scattered throughout the country, and many have become outstanding business men, writers, ministers, industrialists, or public servants.

Episcopal churchmen led the movement for Trinity's founding as Connecticut's second oldest college in 1823; but, by its original charter provisions, Trinity has always opened its doors to members of all religious faiths and creeds.

HISTORY

THOUGH the College Charter was not granted until 1823, one would have to go back beyond 1800 to find the beginnings of the project that resulted in Trinity College. The first attempt, made in 1794, resulted in the opening of a preparatory school. In 1811 an effort to enlarge the

Charter failed. But in 1822 a group of 18 clergymen met at Bishop Brownell's home in New Haven and, as a result of 20 years' effort and pressure, were finally able to persuade the State Legislature "that great advantages would accrue to the State, as well as to the general interests of literature and science, by establishing within the State another collegiate institution."

Citizens in every county in the state presented petitions for the college. Yale was then Connecticut's only college and all students were compelled to subscribe to the Saybrook platform of religious beliefs before admission. It was to broaden the base of higher education, therefore, that, when the Connecticut Legislature issued a charter for "Washington College" on May 16, 1823, it carried a provision written by the founders that the ordinances of the college "shall not make the religious tenets of any person a condition of admission to any privilege in the said college"—whether as a student or teacher. Thus, at Trinity's foundation, the principle of freedom in education was firmly established.

After much discussion, and competition among many Connecticut cities, this forty-first college founded in America was located at Hartford. First instruction was in a private residence on Main Street in Hartford; but by 1825, the College had occupied two brownstone buildings erected "about a mile from the city . . . near a thick forest." One of these buildings was designed by Samuel F. B. Morse, inventor of the telegraph. Its portico is shown in the College seal. The other building was designed by Solomon Willard, architect of the Bunker Hill monument.

Starting with nine students, the College grew rapidly and its library attained distinction at an early date. Life was rigorous and regulated. Classes started at five a.m. in summer and six in winter. There was to be, for example, "no playing of musical instruments on Sunday." In addition to the classical courses, the first Trinity curriculum called for work in political economy, natural philosophy, chemistry, mineralogy, geology, and botany. Thus, Trinity's curriculum since its inception has required for undergraduates work in the three great areas of general education: the humanities, the social studies, and the natural sciences.

Very early, too, it won academic distinction. In 1845 it was granted a chapter of Phi Beta Kappa, being the eighth college in the country so honored. This same year is marked by other significant events. Since the original name "Washington College" had been taken by several other institutions, the name was changed to "Trinity"—in emulation of the famous colleges of the same name at Oxford and Cambridge. Also in 1845, the Board of Fellows, consisting of twelve alumni, was organized as the examining body of the College.

Two great presidents distinguished this early period—Bishop Brownell, the founder, whose statue stands in the center of the

campus, and Bishop Williams, a graduate of the class of 1835. The latter served the College in various capacities from 1848 until his death in 1899. His name lives on in the Williams Memorial given by his friend, J. Pierpont Morgan, which houses the administrative offices.

When Hartford was made the sole capital of the State, the city selected College Hill as the location for the new State Capitol Building. Therefore, the old campus was sold to the city in 1872 and with the proceeds the College acquired the present Campus of about 80 acres in the southwestern section of the city. At the western edge of the campus is a lava rock escarpment falling off sharply, while open fields slope gently toward the east. This was known by the early colonists as Rocky Hill. During the Revolution, it was called Gallows Hill, and was the place for public executions. The Trustees of the College later gave the cliff area, known as the Stone quarries, to the city with a provision that the land be maintained as a public park called Rocky Ridge Park.

The Trustees chose as architect of the new college buildings one of the most distinguished men of his day—William Burges of England. With the stately buildings of Oxford and Cambridge in mind, Burges proposed an elaborate plan of closed quadrangles, and constructed as the first unit Seabury Hall, containing classrooms, chapel, and other public rooms, and Jarvis Hall, the dormitory. Burges is credited with having created at Trinity the first collegiate Gothic in America. Jarvis Hall was unique in its plan of seven units, each with its own entrance. The two buildings, ready in 1878, and the connecting central unit, the impressive Northam Towers, 1881—built of native brownstone quarried from the river at Portland—formed one of the most imposing groups of college buildings in America, even before later extensions. Their influence on college architecture in this country has been very great.

Until the turn of the twentieth century, Trinity remained a college of less than 100 students. Since that time, it has grown slowly and with careful attention to the preservation of intimate student-faculty relationships to an enrollment of 900. The enrollment increase has been made possible by the investment of millions of dollars in classroom, laboratory, physical education and living facilities, by the strong financial support of a growing alumni body and endowment, and by the association of a number of scholarly teachers in a distinguished Faculty. Since World War II, for example, Trinity's resources have been increased by more than five million dollars. Indicative of the dynamic progress of the College is the recent library merger which gives Trinity one of the finest small college book collections in the country.

The core of Trinity's educational belief is that in her classrooms

"young men, representing widely scattered and different surroundings, trained by those who have gained their learning under different systems, by men of no one faith but always men of faith, can and ever will be men of real individuality."

Even the briefest sketch of her heritage would be incomplete without mentioning some of the fields in which Trinity graduates have made obvious contributions to our national life.

Since a liberal arts college takes just pride in helping students develop the kind of character and breadth that increase their value to society, it is worth noting that in a recent publication of "Who's Who in America" Trinity was eighth among the leading colleges in the percentage of living alumni listed.

To the ministry of all faiths, living alumni are contributing approximately 200 clergy, and nine bishops. There is good evidence, too, that the early missionary society organized at Trinity influenced the formation of the National Missionary Societies of the Protestant Episcopal Church.

Out of an alumni body which even now has reached the total of only 5,600 an unusually large proportion of men has rendered significant service. To the professions and to science, the College has given many graduates. Approximately one out of 30 is a teacher—a large number of them in colleges and professional schools. Through the years 15 or more have become college presidents. The roster of alumni who have become physicians and surgeons is long, due especially to the development of the strong pre-medical course. A number of men have distinguished themselves in science—both in research and in the practical fields of industry. To public service—legislative, executive, judicial and diplomatic—many contributions have been made. Among these are found, for example, at least 10 representatives in Congress, seven judges of State courts, five governors and lieutenant governors of States, and several men distinguished in the diplomatic service. More than a score of alumni have been presidents of railway, steamship and other great companies; several, presidents of banks and insurance companies; a number, actuaries.

Trinity, like other colleges of her type, gives ample evidence that a liberal arts training is an excellent preparation for the discharge of leadership and executive responsibility. And today, when "general education" is such a watchword, Trinity men may be justly proud that its faculty committee on the B.A. degree, in 1944, reached educational conclusions which anticipated, and were later paralleled to a remarkable degree by the position taken in the widely regarded Harvard report.

A Trinity Education

THE aim of Trinity College is to promote the intellectual and moral growth of its young men so that they may become self-reliant, responsible, and enlightened citizens and leaders of democracy, leading happy and fruitful personal lives.

The development of character as a proper blending of knowledge, integrity, kindness, and Christian ideals is the goal sought. To accomplish this, each student is helped to:

1. Develop his personal potentialities—moral, mental, and physical—to the highest degree possible.
2. Build up his inner resources and a desire to continue his development and learning after leaving college.
3. Become aware of his responsibilities as an educated man to the members of society other than himself and his family, and to be willing to do his part to make democracy work.

Thirteen decades of experience at Trinity have indicated to us that general education in the liberal arts offers the best means of attaining the above aim. For four years a Trinity student lives in an environment and takes a carefully guided selection of liberal arts courses which insure (A) an acquaintance with the most important fields of human achievement, (B) experience leading to the development of certain traits and habits which are important for success and a well-rounded life, (C) an opportunity to discover and to prepare broadly for the general field of endeavor in which he will earn his living.

To be most effective such training requires a maximum of personal guidance. The size of Trinity College is restricted so that classes may be kept small and personal contact fostered between the student and teacher whose main interest is in teaching.

With such goals and methods, Trinity College turns out men whose interest and outlook enable them to give much and therefore to get the most out of life; men whose perspective, breadth of background, standards of value, and maturity of judgment make for a successful professional or business career; men whose intelligence is tempered with the moral knowledge of what is right and what is wrong.

COURSE OF STUDY

Study programs at Trinity lead to the Bachelor of Arts or Bachelor of Science degree. The course of study extends over four academic years running from September to June. Most courses meet for three one-hour sessions each week, with additional sessions for laboratory

courses. The normal schedule consists of five courses a year for each student. Twenty courses, or the equivalent in half courses, are required for graduation.

During the first two years, students complete a series of courses in general education, the subject matter of which makes up the common denominator of liberal education. During the junior and senior years, each man concentrates more on specialized study. Trinity has always prescribed a wide measure of each student's courses, a policy which has recently been reintroduced at many colleges. Many of these requirements for general education or a major study are within broad fields, rather than for specific courses, leaving a choice between related studies for each student. In addition, each student is free to choose electives which make up from a fifth to a third of his total course of study.

In generalization and specialization, liberal education is seeking to develop capacity for reason, imagination, and communication as the means to knowledge, judgment and character.

GENERAL EDUCATION

The objective of Trinity's curriculum during the first two years is to provide a general education by introducing the tools, basic facts, ideas and breadth which will provide a common body of knowledge on which to base the last two years of specialized study.

Trinity believes that a college course should provide each student with an understanding of scientific methods and appreciation of the part science plays in the modern world, a knowledge of the organization of modern society, and an appreciation of our cultural heritage. College experience should also develop in each student the tools for effective action—high standards of value, the power to analyze and ability to deal with abstractions, and effective expression in writing and speaking. All general education courses work toward these aims, but certain requirements are particularly intended to achieve each objective.

The subject matter of general education falls within three great fields: natural science, social studies, and the humanities. Hence, courses are required in each field.

For Bachelor of Arts students, for example, there are two requirements in natural science. A course in analytical geometry and elementary calculus fulfills the requirements in mathematics and works directly toward sharpening the power to analyze and deal with abstractions. To develop an understanding of scientific methods and an appreciation of the role of science in the world of today, laboratory science is included in the science requirements.

As a base for the social studies, an integrated course in Western European History provides a foundation for studying the organization of modern society and human relationships.

In the area of humanities, Trinity's requirements fulfill several educational aims. If a man is to express himself effectively, he needs training not only in his own language, but also in a foreign language which will reveal the subtleties of grammar and communication. Trinity, therefore, requires a course in a foreign language beyond the elementary level as well as one course in English Composition, Reading and Speaking. Requirements in English or foreign literature, philosophy or religion, and creative arts have a direct effect on the development of standards of value and in presenting the record of human achievements. To cultivate an appreciation of our cultural heritage, each man selects a course from such choices as Latin, Greek, classical civilization, history of art, world literature, ancient history, history of philosophy, or the Jewish-Christian sources of western culture.

Although details vary slightly, Bachelor of Science candidates also must fulfill requirements which work toward the development of standards of value, understanding of human relations, and appreciation of our cultural heritage. In consultation with his adviser, each science student selects at least three courses in English, Economics, Government, History, Psychology, or Philosophy which will be best for his own education in these areas.

SPECIALIZATION

On this foundation in general education, Trinity bases complementary work in specialization, in which each student explores more deeply the field of his special interest. By such concentrated study, the Faculty attempts to teach each student to be thorough and precise, rather than superficial and general.

Trinity's requirements in specialization are called "major studies." The major is usually decided upon at the beginning of the sophomore year and is the principal work of the junior and senior years.

The choice of specialized courses for the major study may be made by the student with one of two objectives in mind:

1. Solely as the intensification of general education to further his personal capabilities to meet life's problems.
2. To prepare for a profession or a vocation in which (A) a specific body of knowledge is necessary such as medicine, engineering, teaching, etc., or (B) exploration of knowledge in certain fields is desirable, but not an absolute necessity, such as business, law, foreign service, etc.

For the candidate for the degree of Bachelor of Arts, the major

may be in Classics, Economics, English, Fine Arts, Government, History, Modern Languages, Music, Philosophy or Psychology, in the group study in Education or in an interdepartmental program. For the candidate for the degree of Bachelor of Science, the major may be in Biology, Chemistry, Engineering, Geology, Mathematics, or Physics, in the group studies in Education, or Pre-Medicine or in an interdepartmental program. Details of the requirements of each of these major studies can be found under the appropriate sectional headings beginning on Page 28.

Special groupings of courses are recommended for some vocations and professions. These plans of study are found in the Chapter beginning on Page 50.

Faculty advisers and the Career Counsellors help men intending to enter other occupations to choose appropriate courses.

ELECTIVES

In addition to the general and major requirements, each student will find part of his college program open for electives. The choice of these electives is of importance for the development of each student as an individual. Men whose preparatory school education and required college courses may have left a gap in some area of general education are encouraged to take electives in that area. Other men may wish to supplement their major or pre-professional courses by studying subjects in allied or supplementary fields. Others may seek to become acquainted with a new subject that happens to interest them and affords personal profit and enjoyment.

THE FRESHMAN YEAR

Freshmen carry five courses as a normal load. Following are the courses open to freshmen:

Air Science (R.O.T.C.) 101-102	German 101-102; 111-112; or 211-212	Mathematics 101, 102
Biology 101-102	Government 201, 204	Music 101, 102; 103-104; 105-106; 107-108; 109, 110
Chemistry 101-102; 103-104; or 105-106	Greek 101-102; 112; or 201, 202	Physical Education
Engineering 131, 132	History 101-102	Physics 101, 102; or 121-122
English 101-102	Italian 101-102; or 111-112	Psychology 141
Fine Arts 101, 102; 201-202	Latin 101-102; 111, 112; or 121-122	Religion 101-102
French 101-102; 111-112; or 211-212	Linguistics 101, 101 (2)	Spanish 101-102; 111-112; or 211-212

Bachelor of Arts Candidates—The typical program which fulfills the requirements for the first two years is as follows:

<i>First Year</i>	<i>Second Year</i>
Mathematics 101, 102	Laboratory science
English 101-102	Literature in English or Foreign Language
Foreign Language	Cultural Heritage Course
History 101-102	Philosophy; Creative Arts (half year each)
Elective	Elective

Freshmen taking ROTC may defer either History 101-102 or a language until their sophomore year.

Bachelor of Science Candidates—The recommended studies which fulfill requirements for the freshman year are:

Mathematics 101, 102
 Physics 101, 102 or 121-122
 Chemistry 101-102 or 103-104, or 105-106 (Engineering students see Page 53)
 English 101-102
 Modern Language (Fr. 101-102 or 111-112 or Ger. 101-102, or 111-112. Spanish 101-102 or 111-112, Italian 101-102 or 111-112) or an elective.

Freshmen are urged to discuss the various degree requirements with instructors in the departments concerned, so that they may make any advisable change in their choice of a course of study not later than the Sophomore year.

DEGREE REQUIREMENTS FOR ALL STUDENTS

A candidate for the degree of either Bachelor of Arts or Bachelor of Science must:

1. Attain a grade of 60 or better in 20 full-year courses, or their equivalent in full- or in half-year courses.
2. Attain a grade of at least 70 in 14 full-year courses, or their equivalent; or grades of at least 80 in enough courses to offset any excess of courses with grades below 70.
3. Complete satisfactorily the requirements for Chapel attendance. (See College Regulations).
4. Complete satisfactorily the requirements in Physical Education (See Page 84).

Note: The Basic or Advanced Course of Air Science becomes a prerequisite for graduation for students who elect work in that field.

REQUIREMENTS FOR BACHELOR OF ARTS CANDIDATES

(For students entering after July 1, 1952)

Composition, Reading and Speaking, one course (English 101-102).

Western European History, one course (History 101-102).

Laboratory Science, one laboratory course in Biology, Chemistry, Geology or Physics.

Literature, one course, or two half courses, in English or foreign literature.

Foreign Language, one course (to be taken in college), in Latin, Greek, French, German, Italian or Spanish beyond the elementary course.*

Mathematics, one course, Introduction to Analytical Geometry and Calculus. (Mathematics 101, 102).**

Philosophy, one half course.

Creative Arts, one half course in Music, Fine Arts, or English 201, 202 or 231, 232.

* Unless a student can show the Faculty Language Committee intent to work in fields requiring a particular language, the following rules apply: (Effective class of 1956)

- a. Students offering three or four years (units) of a foreign language shall continue that language in college.
- b. Students offering two years of a foreign language who have taken that language in their third and fourth years of preparatory schooling shall continue that language in college.
- c. Students offering two years of a foreign language who have not taken that language in their third and fourth years of preparatory schooling may either continue that language or begin a different one.

All students who must continue the language offered take a standardized placement test before the beginning of classes in the Christmas Term. Students who must continue their foreign language are penalized one-half course credit if they are required to take a lower course. Students described in "c" who choose to continue their language will be subject to the same standardized test and procedure.

** ROTC students may be excused from the requirement in Mathematics 102. ROTC students who fail for any reason to complete the four year course are required to pass either Mathematics 102 or a second course in a laboratory science. Students who make low scores on the Mathematics Placement Test given during the Freshman Orientation Period may be required to take a non-credit preparatory half-course in Intermediate Algebra (Mathematics 97) during Christmas Term in place of Mathematics 101. If they pass Mathematics 97, such students will then take Mathematics 101 during Trinity Term. B.A. students who have (1) passed Mathematics 97 in Christmas Term and Mathematics 101 in Trinity Term, or (2) failed Mathematics 101 in Christmas Term but passed it in Trinity Term, or (3) passed Mathematics 101 in Christmas Term but failed Mathematics 102 in Trinity Term, may have the option of passing a second year of laboratory science (Biology, Chemistry, Geology, Physics) or passing Mathematics 102.

Appreciation of Cultural Heritage, one course, or two half courses, from the following list:

A course in Greek or Latin; Classical Civilization 201-202; 203, 204; English 243-244; Fine Arts 207; 208; History 203, 204; Linguistics 101; Philosophy 311, 312; 315; Religion 101-102.

Concentration—All candidates for the B.A. degree must fulfill the quantitative course requirements for one of the following major or group studies.

The B.A. Degree with major will be granted to those students who in addition fulfill the qualitative requirements in a major or group, and make grades of 70 or higher in each of their major courses.

The B.A. degree without major will be granted to those students who fulfill the quantitative requirements for a major or group but fail to fulfill the qualitative requirements.

CLASSICS—Five courses are required for the major. Four courses in both Greek and Latin, one of which must be beyond Greek 201 or Latin 121-122; and an additional course in Greek or Latin, or six semester hours chosen from the following: Classical Civilization 203, 204; Fine Arts 208; History 203, 204; Philosophy 311, 312.

ECONOMICS—Five courses in the Department, including Economics 401-402.

EDUCATION GROUP—Two courses beyond the introductory course in any two B.A. fields; three courses in Education including Education 471-472.

ENGLISH—Four courses in the Department, including English 491, 492. English 101-102 and 221, 222 do not count as major courses. Either English 241-242 or English 243-244, but not both, may count as a major course.

FINE ARTS—Four courses in the Department including Fine Arts 201-202 or 301-302, and one course in Music.

GERMAN—Five courses in German, not including course 101-102.

GOVERNMENT—Five courses, including three courses in the Department, one of which is to be Government 401, 402. Economics 201-202 is also required for all Government majors and, in addition, they must complete six semester hours chosen from the following: further courses in Government; Classical Civilization 203; Economics 306, 308; History 321-322; Philosophy 208; Psychology 252.

HISTORY—Five courses in the Department, including History 101-102, History 201-202, and History 203, 204, and 401. The qualitative requirement of History 203, 204 may be satisfied by examination with permission of the instructor.

INTERDEPARTMENTAL MAJORS—may be established with the consent of the departments concerned. Such majors shall consist of at least six courses.

MODERN LANGUAGES—

Plan A—Three courses beyond 111-112 in German, and two courses in one of the following languages: French, Italian, or Spanish.

Plan B—Three courses beyond course 111-112 in one of the following languages: French or Spanish; and two courses in German.

MUSIC—Four courses in the Department, including Harmony or Counterpoint, and one course in Fine Arts.

PHILOSOPHY—One elementary course and three advanced courses in Philosophy, including Philosophy 315, 316.

PSYCHOLOGY—Four courses in Psychology, including Psychology 341-342 and 441-442. Additional requirements for Psychology majors are three courses as follows: Biology 101-102 or Biology 201-202; Economics 201-202; Government 201 and another half-course in Government.

Psychology 351 and 369 do not count toward the major.

ROMANCE LANGUAGES—

Plan A—Five courses in French or five courses in Spanish, including courses 211 and 212 and 213 and 214. Course 101-102 does not count for the major.

Plan B—Three courses beyond course 111-112 in French or three courses beyond 111-112 in Spanish, including courses 211 and 212 and 213 and 214; and any two courses in one other Romance Language (French; Italian; Spanish).

All required courses must be taken in the first two years of college with the following exceptions: the courses required to complete a major; exceptions made by the Dean for transfer students, for ROTC students, and in other exceptional situations. Every student shall be permitted one elective course in his second year. If necessary he may postpone for one year his requirements in the Appreciation of Cultural Heritage and/or in Science.

REQUIREMENTS FOR BACHELOR OF SCIENCE CANDIDATES

Composition, Reading and Speaking, one course (English 101-102).

Social Science and Literature, two courses, not to be taken in the same department, in English, Economics, Government or History.

Foreign Language, one course in French, German, Italian or Spanish, beyond the elementary course, to be taken in college. (See footnote,* Page 28).

Mathematics, one course, Introduction to Analytical Geometry and Calculus. (Mathematics 101, 102.)*

Philosophy and/or Psychology, one course or two half-courses.

Physics 101, 102 or 121-122.

Concentration, satisfaction of the requirements of one of the following major or group studies.

BIOLOGY—Four courses in Biology; Chemistry 305-306. A grade of 70 or better must be obtained in four of the five courses listed.

* Students who make low scores on the Mathematics Placement Test given during the Freshman Orientation Period may be required to take a non-credit preparatory half-course in Intermediate Algebra (Mathematics 97) during the Christmas Term in place of Mathematics 101. If they pass Mathematics 97, such students will then take Mathematics 101 during the Trinity Term.

CHEMISTRY—Five and one-half courses in Chemistry, including Chemistry 305-306 and Chemistry 407-408 and one advanced course from the following: Chemistry 311 and 412, 403-404, 405-406, 409-410. Also required are Physics 221-222; German 111-112; and Mathematics 201, 202. A grade of 70 or better must be obtained in Chemistry 305-306 and Chemistry 407-408.

EDUCATION GROUP—Two courses beyond the introductory course in any two science fields; three courses in Education including Education 471-472. A grade of 70 or better must be obtained in the Education courses.

ENGINEERING—Mathematics 201, 202; 301; Chemistry 101-102 or 103-104 or 105-106; Physics 121-122; 221-222; Engineering 131-132; 227-228; 331-332; 333-334; 337-338. A grade of 70 or better must be obtained in the required Physics, Mathematics, and Engineering courses.

GEOLOGY—Four courses in Geology, including two laboratory half-courses, and one course each in Chemistry and Physics. (The laboratory courses in Geology include Geology 101-102; 209; 211; S215; or 401). A grade of 70 or better must be obtained in the four geology courses.

INTERDEPARTMENTAL MAJOR—A combination of seven courses to be taken in the departments of Biology, Chemistry, Engineering, Geology, Mathematics, and Physics. Three courses must be taken in one of those departments, two courses in a second department, and two courses in a third department. Interdepartmental Science majors are not open to Freshmen or Sophomores.

MATHEMATICS—Five courses in Mathematics (including Mathematics 302) and Physics 301, 302; or six courses in Mathematics and Physics 121-122. A grade of at least 70 must be attained in Mathematics 301, and in Mathematics 302.

PHYSICS—Four courses in Physics, Mathematics 101, 102; 201, 202; 301, 302 and one course in Chemistry. A grade of 70 or better must be obtained in four Physics courses. The general requirements in foreign languages must be in either French or German.

PRE-MEDICAL GROUP—Biology 201-202, 301-302; Chemistry 209, 303, and 305-306; Physics 101, 102 or 121-122; Mathematics 101, 102; and French 111-112 or German 111-112 or a more advanced course in either language, take in college. A grade of 70 or better must be obtained in Biology 201-202, 301-302, and in all required courses in Chemistry.

PSYCHOLOGY—Four courses in Psychology, including Psychology 341-342 and Psychology 441-442; Biology 101-102 or 201-202; Biology 303 or Biology 401-402. A grade of 70 or more must be attained in at least three psychology courses. Psychology 351 and 369 do not count toward the major.

AIR FORCE R.O.T.C.

The Department of Air Science and Tactics offers a four-year Air Reserve Officers' Training Corps course leading to a Second Lieutenant's commission in the United States Air Force Reserve. The first two years of the four-year course is considered the Basic Course and the last two years, the Advanced Course. Enrollment in either the Basic Course or the Advanced Course is voluntary, but once either is entered upon it becomes a prerequisite for graduation.

In order to qualify for enrollment a student must be a citizen of the United States, physically qualified, pass certain screening tests, and for enrollment in the Basic Course be under 23 years of age. For enrollment in an Advanced Course he must be under 25 years of age, pass an Air Force physical examination, and have completed the basic course or equivalent. Age requirements may be waived in certain cases concerning veterans. Each application for the Advanced Course is subject to the approval of the Professor of Air Science and Tactics and the President of the College.

Students are furnished text books, equipment and a uniform free of charge. Students enrolled in the Basic Course receive no pay, but Advanced students receive a subsistence allowance, the rate of which is determined annually by the government. The present rate is 90¢ per day or approximately \$27.00 per month. Advanced students must sign a contract with the government agreeing to complete the Advanced Course, to attend summer camp and to accept a reserve commission if tendered upon completion of the course.

REQUIREMENTS FOR THE DEGREES OF MASTER OF ARTS AND MASTER OF SCIENCE

Men and women holding Bachelor's degrees from colleges approved by the Faculty may apply to the Committee on Graduate Students for admission as candidates for the degree of Master of Arts or Master of Science. Graduate study may be pursued in the regular, evening, or summer session.

Candidates must complete a total of five graduate courses, totalling 30 semester hours, at least three of which courses must be in his field of major study, and two of which may be in another field approved by the head of the department of major study. Students may be asked to write a thesis in place of one of the five regular courses.

Candidates must study at Trinity the equivalent of at least one year. Not more than six semester hours of credit will be given for work done at another institution.

Trinity undergraduates who desire to take extra courses to count later toward the Master's degree must receive the approval of the Committee on Graduate Students, and must so notify the registrar. Such courses cannot later be used in satisfying the requirements of the Bachelor's degree.

No course will be credited for the Master's degree in which the grade attained is less than 80.

Other information may be obtained from Professor Robert M. Vogel, secretary of the Committee on Graduate Students.

The Teaching Campus

ACADEMIC classes of the college are centered in historic Seabury Hall, one of the original brownstone units of the campus. The distinctive charm of the Seabury rooms, no two of which are alike, expresses the intimacy for which Trinity is noted. In Seabury also are faculty offices and seminar rooms, the student post office, a Union store, and a commons lounge.

SCIENCE

The sciences are taught in four buildings: Jarvis Laboratory for physics; the Chemistry Laboratory; the Hallden Engineering Laboratory; and Boardman Hall for mathematics, geology, psychology, physiology, and biology.

Jarvis Laboratory, built in 1888, was the gift of the late George A. Jarvis, Esq. In this building the Physics Department has a large laboratory for work in the elementary courses, and several smaller laboratories adapted to advanced work of special character.

The laboratories for General Biology, Zoology, and Embryology in Boardman Hall are equipped with charts, models, projection equipment, compound and dissecting microscopes, lantern slides, microscopical preparations, and demonstration material for class use. The laboratory for advanced courses is well equipped with apparatus for embryological and bacteriological work. The new Ned G. Begle Seismograph Station is located in the basement.

In addition to the exhibition collections in the Museum, the geology laboratories include numerous specimens of rocks, minerals, and fossils suitable for handling in class work. Field trips are an important part of geological instruction. Laboratory work includes study of maps and models and analysis of minerals and rocks.

The psychological laboratories are primarily constructed and equipped for student work.

Trinity's Chemistry Laboratory, constructed in 1936, is still one of the nation's most up-to-date teaching laboratories. In addition to four large laboratories, it includes several lecture and class rooms, research rooms, faculty offices, a technical library, and a student auditorium seating 500. A brownstone building at the south end of the college quadrangle, it was given by Walter P. Murphy. The library is known as the Riggs Memorial Chemical Library in tribute to Robert E. Riggs, Scovill Professor of Chemistry from 1887 to 1920.

The Hallden Engineering Laboratory was given by Karl Hallden, class of 1909, in December 1946, and was doubled in size by an addi-

tion in 1952. Built of brick with Indiana Limestone trim, it is located at the south end of the campus near Jarvis Laboratory. The laboratory is equipped for fundamental courses in materials, fluid mechanics, heat power, and electrical engineering.

THE MUSEUM OF NATURAL HISTORY

The College Museum of Natural History, located in Boardman Hall, is primarily intended for aid in teaching and research in connection with the scientific departments of the college. The exhibits and study collections are mainly in the fields of geology and biology.

The mineral and rock exhibits are extensive and include many rare and unusual forms; especially notable is the Caswell Collection of Minerals. In the division of paleontology, in the large collection of fossil skeletons, there are important exhibits depicting the evolution of the horse and the elephant.

The museum is especially rich in its display of mounted birds. The Sage and Wood Collections of native and migratory birds, on loan from the Wadsworth Atheneum, and the Trowbridge Collection of Birds' Eggs make the exhibit unusually complete.

The museum has recently been rearranged, and alterations made. Many specimens have been remounted, and all are to be labeled and catalogued to make them of greatest material use to student or scientist.

THE LIBRARY

The Library is the focal point of the modern college. It has become both the storehouse and the laboratory for a liberal education. Trinity has recognized this in the construction of its spacious new library at the southeast corner of the quadrangle. Built to house 500,000 volumes and accommodate 350 readers at one time, its objective is to promote study and research by student and teacher in comfortable, informal surroundings. The new building, completed in 1952 at a cost of \$1,200,000, was made possible by gifts for library purposes to the 125th Anniversary Fund program, and from the Old Dominion Foundation. The latter gift was made to preserve the invaluable Watkinson Library, an endowed research library formerly located in downtown Hartford. A modern, fireproof structure embodying the latest in library construction theory and method, it is operated on the open-stack principle of unrestricted access to the bookshelves (with the exception of the Watkinson Library and special collections in the Trinity Library).

The College collections number 230,000 volumes and close to 100,000 pamphlets, largely publications of the United States Government received by depository privilege. To these collections has been added

the 130,000 volume Watkinson Library, providing Trinity with library resources totalling over 350,000 volumes, among the largest of colleges of comparable size in the nation.

The Library adds approximately 5,000 volumes each year and subscribes to over 450 current periodicals for its collections in many areas of knowledge, including the social and natural sciences, literature, language, and the arts.

A special feature of a Trinity education is the Reading Course, conducted for many years by the Faculty, and in the administration of which the Library plays a large part. Dr. Henry T. Costello's *List of Books for a College Student's Reading* is the manual for the course. These well-selected, representative books in all fields are arranged on open shelves in the Hamlin Memorial Reading Room where they are readily accessible to those students who wish to carry their reading activities beyond the demands of their required course work.

Many single works of great value and interest are contained in the Trinity collection. Among them are: two Greek manuscripts of the twelfth century, several illuminated Latin Books of Hours of the fourteenth and fifteenth centuries, fine examples of books printed before the year 1500 (incunabula), rare mathematical and medical works of the sixteenth, seventeenth, and eighteenth centuries, the engraver's exceptionally fine copy of Audubon's great work *Birds of America*, and first editions of the books of many English and American writers whose works form a permanent part of literature. Other prominent collections are the books on William Blake; the Gipsy books by George Borrow; the Moore Collection relating to the Far East; and an extensive collection of books on Jamaica.

The Watkinson Library is a distinguished collection of research material in the humanities, principally history, literature, and philology. It contains many rare books including 200 incunabula, works illustrative of the history of printing, and Americana, largely from the library of the noted book collector and early Watkinson trustee, George Brinley. Its wealth of resources admirably supplements the books available in the Trinity collection and makes it possible for the faculty to enhance their teaching and carry out considerable personal research on their own campus.

During term time the College Library is open from 8:30 a.m. to 10 p.m., Monday through Friday, from 8:30 a.m. to 5 p.m. on Saturday, and from 2 p.m. to 10 p.m. on Sunday.

Also available to students in the city of Hartford are the following collections:

THE HARTFORD PUBLIC LIBRARY has a book collection of 313,246 volumes and currently subscribes to 782 periodicals. It is open to the public from 9 a. m. to

9 p. m. every day except Sunday. Students are invited to use its reference and book facilities.

CONNECTICUT STATE LIBRARY. This collection of about 450,000 volumes, 1,000,000 pamphlets, and 2,000,000 manuscripts, is open to the public for reference use from 9 a. m. to 5 p. m., except Saturday, Sunday, and legal holidays. It includes Departments of Archives and History, published and manuscript materials with special emphasis on American history, biography, and history of Connecticut and its towns; the Legislative Reference Department, with extensive up-to-date files of legislative data of all the states; and the Supreme Court Law Library. The last makes accessible for pre-law students a commendably complete collection of the statutes and case law of English-speaking peoples, old Roman law, and the more recent codes of many other countries.

CONNECTICUT HISTORICAL SOCIETY. The Library and Museum of The Connecticut Historical Society, located at One Elizabeth Street, is open free to the public on week days from 9:30 a. m. to 5:30 p. m. The Library contains 60,000 volumes and pamphlets, 5,000 volumes of newspapers, and nearly 2,000,000 manuscripts. It offers exceptional facilities for thorough research, not only in all subjects relating to the history of Connecticut and New England, but also in many departments of general American history.

THE CASE MEMORIAL LIBRARY of the Hartford Seminary Foundation, at Elizabeth Street and Girard Avenue, is equalled in its special field by few, if any, libraries in this country. It numbers more than 155,000 volumes and 65,000 pamphlets. It is open every week day from 8 a. m. to 9.30 p. m. Students may have free use of its books both for consultation and withdrawal. It is especially rich in collections of documents relating to Church history; in works dealing with textual criticism; in the literature of the Reformation and in the literature of modern missions; in Patristics, Lutherana, Orientalia, and in English Hymnology.

HARTFORD BAR LIBRARY ASSOCIATION. This reference law library of over 24,250 volumes, together with some 3,000 pamphlet records, is located in the County Building. It includes a small circulating department of more than 1,000 books of legal history and of moral and political philosophy from which books may be borrowed by any member of the County Bar or by anyone else on written introduction by a member.

Student Welfare

THE Trinity system of education is built on the assumption that close association of students with a distinguished faculty is the best possible method of character building. Because the size of the College permits intimate contact between students and faculty members both in the classroom and in extra-curricular activities, Trinity has not found it necessary to build up an elaborate hierarchy of advisers, tutors, preceptors, or proctors.

To make easier the transition of freshmen from secondary school to college with the accompanying increase of responsibility, the Admissions Officer of the College serves as Adviser of Freshmen. Eleven other faculty members, assisting on a Freshman Advisory Council, are also assigned twenty freshmen each with whom they work as special counsellors. Two members of the junior class live in each freshman dormitory section to serve as Junior Counselors to the residents.

Each student in the upper three classes is helped in planning his course of study by a member of the department in which he is studying. Advising is considered a function of every Trinity teacher.

Spiritual guidance is provided by the college Chaplains. Four religious clubs provide an opportunity for each individual to explore his own faith and receive particular guidance from the clergyman-adviser of his own faith.

All students are given the opportunity of taking psychological, vocational guidance, and aptitude tests as a means towards a more satisfactory educational experience and goal. In addition to the vocational counselling given by faculty members, Trinity's Director of Placement and Veterans' Adviser are specialists in career counselling.

The Placement Director holds periodic interviews with the student throughout his college course to encourage him in thinking out and finding his proper field after graduation. Representatives of various businesses are invited to visit the College for discussion groups and personal interviews with undergraduates.

PHYSICAL EDUCATION AND ATHLETICS

The College athletic facilities include 19 acres of playing fields, the Trowbridge Memorial Swimming Pool, twelve tennis courts, a new Memorial Field House with a sports annex, and Alumni Hall gymnasium.

Trinity Field, for varsity competition, includes a football field, a baseball diamond, and a track which are among the best in small New England colleges. Normal spectator capacity of the field is 7,000. In addition, there is a freshman baseball diamond, a varsity soccer field,

two football practice fields, and a half dozen intramural fields.

The Memorial Field House includes a tenth of a mile track, a removable basketball floor, and 27,225 square feet of space for a baseball infield or many other sports. It will seat 2,500 basketball spectators or 2,800 persons for public meetings.

The Trowbridge Memorial Building, adjoining the Field House contains a 75 by 30 foot swimming pool, a battery of six squash racquets courts, and locker facilities. The annex connecting the Field House with Trowbridge Memorial includes offices, a laundry, sports rooms, training rooms and additional locker facilities.

Alumni gymnasium, located at the north end of the campus, contains locker rooms, a trainer's room, and two intramural basketball floors which are also used for volley ball, badminton, and physical education classes. The gym is equipped with apparatus for boxing, wrestling, fencing, gymnastics and corrective exercises.

Athletic activities are divided into three classifications: intercollegiate athletics, intramural athletics, and physical education.

All regularly enrolled students are required to report for physical education three periods each week during their freshman, and sophomore years. Details are given on Page 84.

The program in athletics and physical education is under the supervision of the Director of Physical Education, to whom all students are required to report on entering college. Soon after admission, the College Medical Director makes a study of the medical record of each student as indicated by the reports submitted by the student's own doctor. Whenever it seems desirable, limited or special exercises are prescribed. The Medical Director has medical supervision of all candidates for athletic teams.

Trinity carries on a full program of intercollegiate athletics with colleges of similar size and standards, with competition in the following sports: football and soccer in the fall; basketball, swimming, and squash racquets in the winter; and baseball, track, golf, and tennis in the spring. Freshman teams are organized in all major and minor sports. In addition, an informal intercollegiate schedule is arranged in sailing, fencing, and lacrosse. The governing body for intercollegiate athletics is the Athletic Advisory Council composed of three undergraduates elected by the students, three alumni members, and three members of the faculty.

All students become members of the Trinity College Athletic Association when they pay their regular tuition. This entitles them to admission to all home athletic contests and permits them to try out for athletic teams, providing that they are academically eligible. Trinity maintains a full year freshman rule, a full year transfer rule, and a three year varsity rule.

The intramural program is designed to provide athletic competition for as large a group as possible. Intramural sports include touch football, basketball, swimming, wrestling, squash racquets, golf, track, ping pong, tennis, and softball.

THE CHAPEL

The Trinity campus is dominated by its limestone Chapel, one of America's most beautiful examples of pure Gothic architecture, given by the late William G. Mather, '77, in memory of his mother. The interior of the Chapel is widely known for its woodcarvings done by Gregory Wiggins of Pomfret, Connecticut, which represent not only religious scenes but also some of the great American traditions. The stained glass windows by Earl Sanborn are also excellent examples of the craft. Besides the Main Chapel, the building includes a Chapel of Perfect Friendship in which the flags of the fraternities are displayed, a Crypt Chapel for smaller services, an Aeolian-Skinner organ by G. Donald Harrison, and two small organs on which students may practice, a thirty-bell carillon, music room, and the Chaplains' offices.

The College has been closely associated with Christian principles by three strong traditions: eleven of fourteen college presidents have been Episcopal clergymen; clerical scholars serve on the teaching faculty; and students are required to attend religious services.

The ties between the Episcopal Church and the College are close, but have always been those of tradition, not of law or government. The Chapel was consecrated by Episcopal Bishops; the Chaplains are Episcopal clergymen; and the Book of Common Prayer, on which the books of worship of most major denominations are based, is used for all services in the Chapel.

Services are held in the Chapel every morning during the week at 8 a.m. On Thursday at 1 p.m. there is a half-hour service with an address by a visiting preacher, the Chaplain, or one of the College Clergy. On Sundays during term time there is a morning service at 11 a.m. and a vesper service at 5 p.m. There is a celebration of the Holy Communion every Sunday at 8:15 a.m. in the Chapel of the Perfect Friendship and on Wednesdays and Holy Days at 7:30 a.m. in the Crypt Chapel. During Advent and Lent a group of undergraduates say the Compline office in the Crypt Chapel at 10:10 p.m. Each of the Fraternities has a corporate Communion in the Chapel of the Perfect Friendship on a day of special significance to the Chapter.

Attendance at a certain number of these weekly or Sunday services, in combination with worship at the church of one's faith, is required of all students in accordance with regulations prescribed by the faculty and approved by religious leaders of the Protestant, Roman Catholic, and Jewish faiths. The Chaplains of the College are assisted in the con-

duct of the services in the Chapel by various members of the faculty, and students.

Under the direction of the Department of Music, a number of recitals and special musical services, with visiting artists and choruses, are held in the Chapel each year.

The College Chapel is open to visitors at all times during the day and all regular services are open to the public. The Chapel and its facilities are available to students, alumni, and friends of the College for baptisms, weddings, funerals, and other special services. Arrangements may be made with the Chaplain.

STUDENT HEALTH

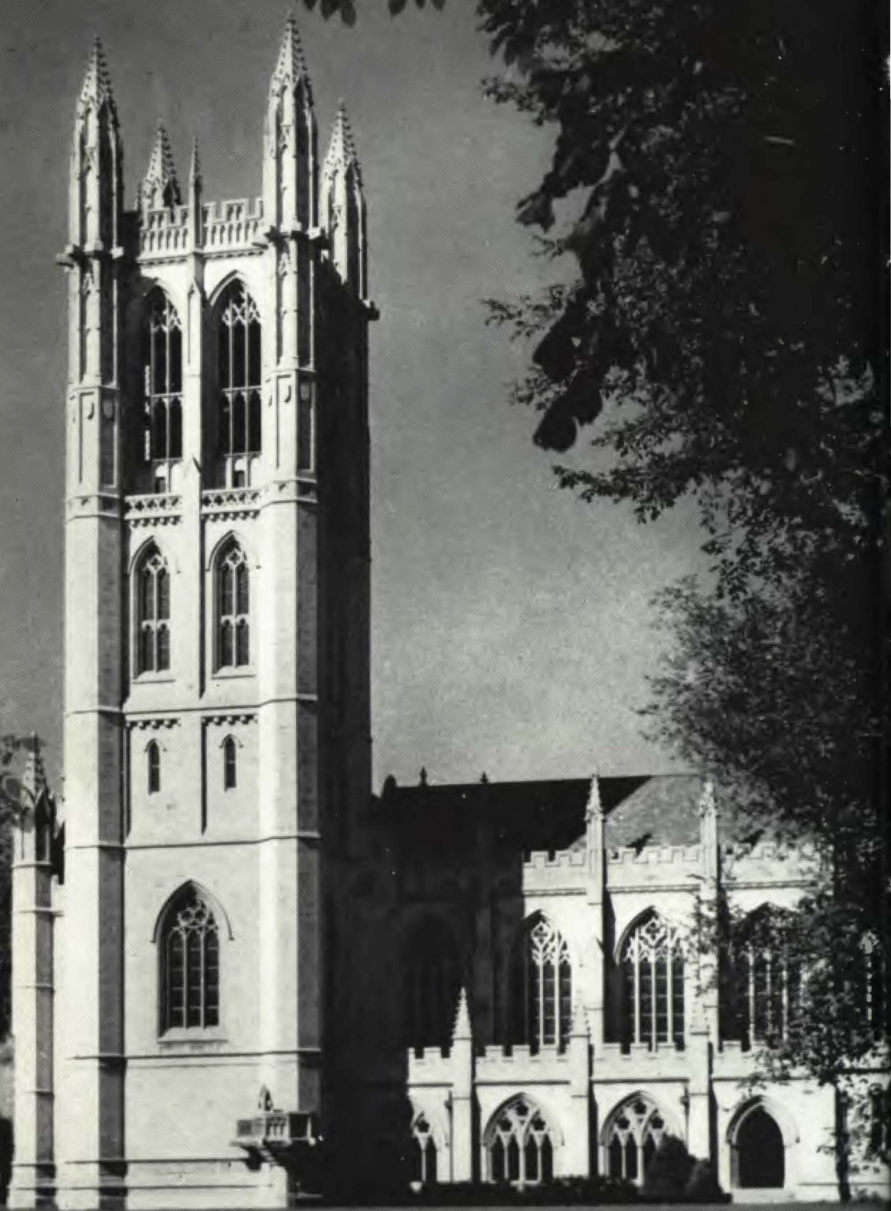
The College maintains a student health service for all students. The College Medical Director conducts sick call between 8:30 and 10 a.m. and between 1 and 2 p.m. daily in the medical offices at Seabury 24 for tentative diagnosis. At other times a medical aide is in attendance at Seabury 25 and the College physicians are on 24-hour call.

Students with colds and other minor illnesses may be confined to the College sick bay. Facilities of nearby Hartford Hospital are utilized when hospitalization is necessary. Costs of medical treatment or hospitalization are not included in the College tuition. All students, whether in residence or not, should be prepared to pay for medical care. The College does not assume responsibility for illnesses or injuries of any kind to students regardless of how they are incurred. Group accident insurance is held by all students. The policy which is in effect for a full year provides coverage for medical expenses up to \$1,000 per accident plus 75 per cent of additional expenses until the insurance company has paid \$10,000. In emergency, prompt notification is sent to parents, but obviously the College authorities reserve the right to act as seems best for the physical welfare of the student concerned, if parents cannot be reached.

In case of illness or injury, resident students are required to report at the College medical office as early as possible for morning sick call or to request a visit by the college physician when they are physically unable. Non-resident students should report injury or illness by telephone (7-1065) before 9 a.m. if they are prevented by illness from attending College exercises. Before attending classes on the day of return, a non-resident student must leave a written notice of his return at the medical office on a form supplied for this purpose. Within one week he must present a statement from his physician or parents stating the nature and duration of the illness, also on a blank provided for this purpose. No excuses for illness will be granted for a period less than one day. Unless notice is given at the beginning and the end of each absence, the absence will not be excused.



*Jarvis Dorm, left, and Williams Memorial Administration
Building and Student Center*



The Chapel—its 165 foot tower houses the Plumb Memorial Carillon



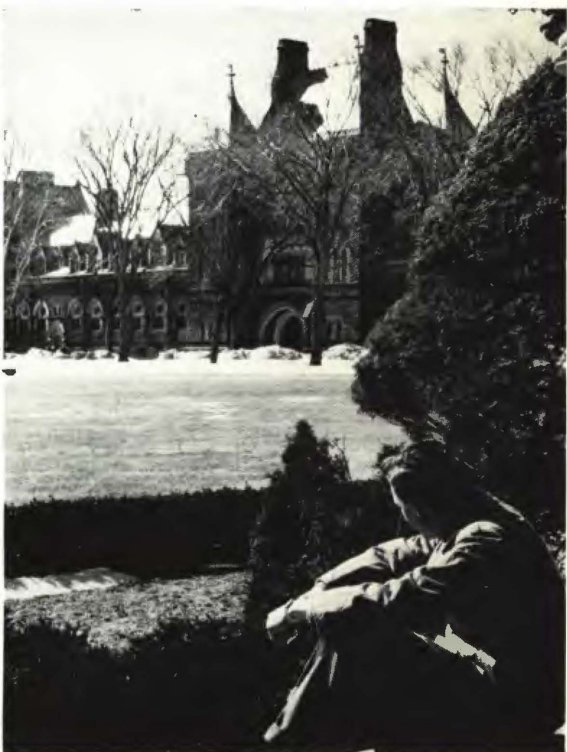
*Academic Convocation
in the Chapel*



*Bancroft Arch
of Goodwin-Woodward Dormitory*



*Main Entrance to Chemistry Building
and College Auditorium*



*Seabury and Northam
on the Quadrangle*



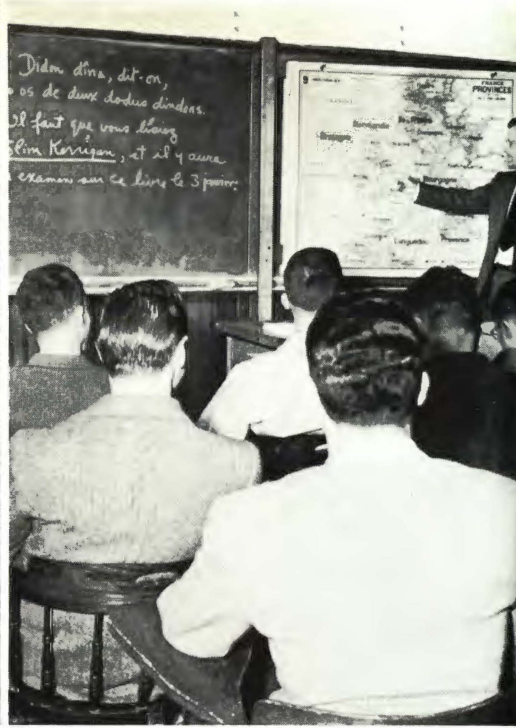
Opened in the fall of 1952, the new Library houses both the 128 year old Trinity collections and those of the Watkinson Library of Reference. The building is the nation's most up-to-date undergraduate study center. Above is the smoking-reading room and below the main reading room. On the next page, the catalogue-bibliographic section is shown at the top, the reference section at the left center, another study section at the right center, and an exterior view below.



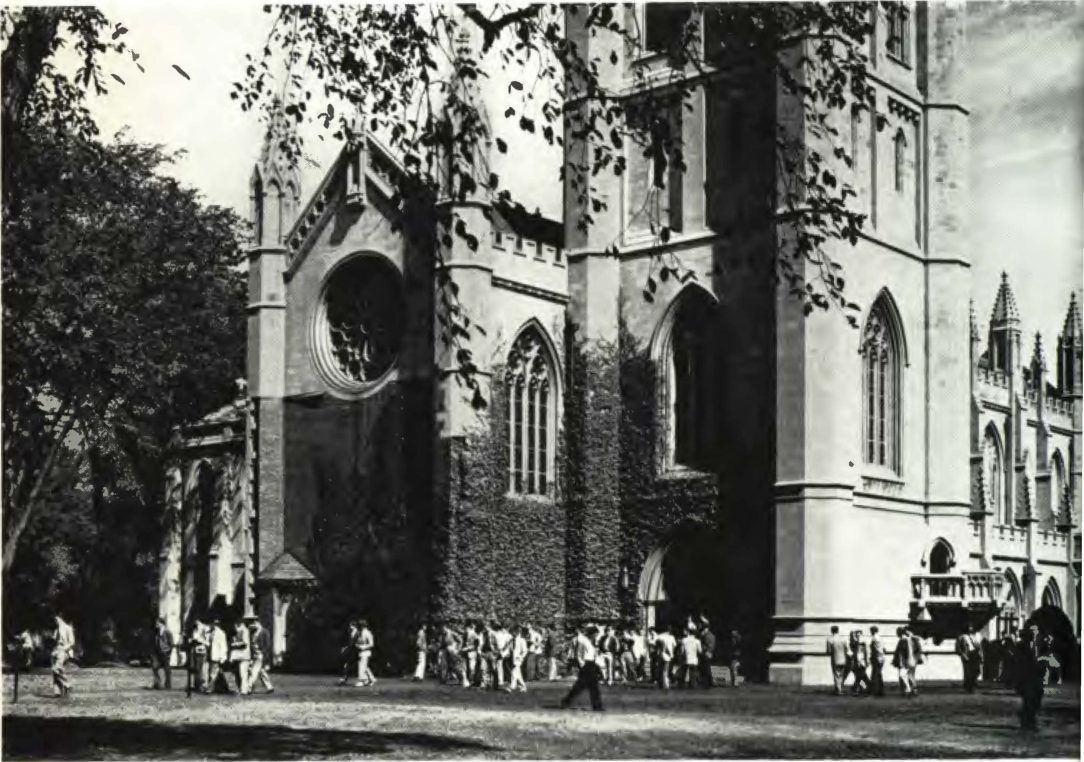




*Jarvis Physics Lab and Boardman Hall of
Natural History*



Typical personal-size class in French



Chapel is center of effective program for individual religious development



*Twelve student generations have used this building, gift of
J. P. Morgan*



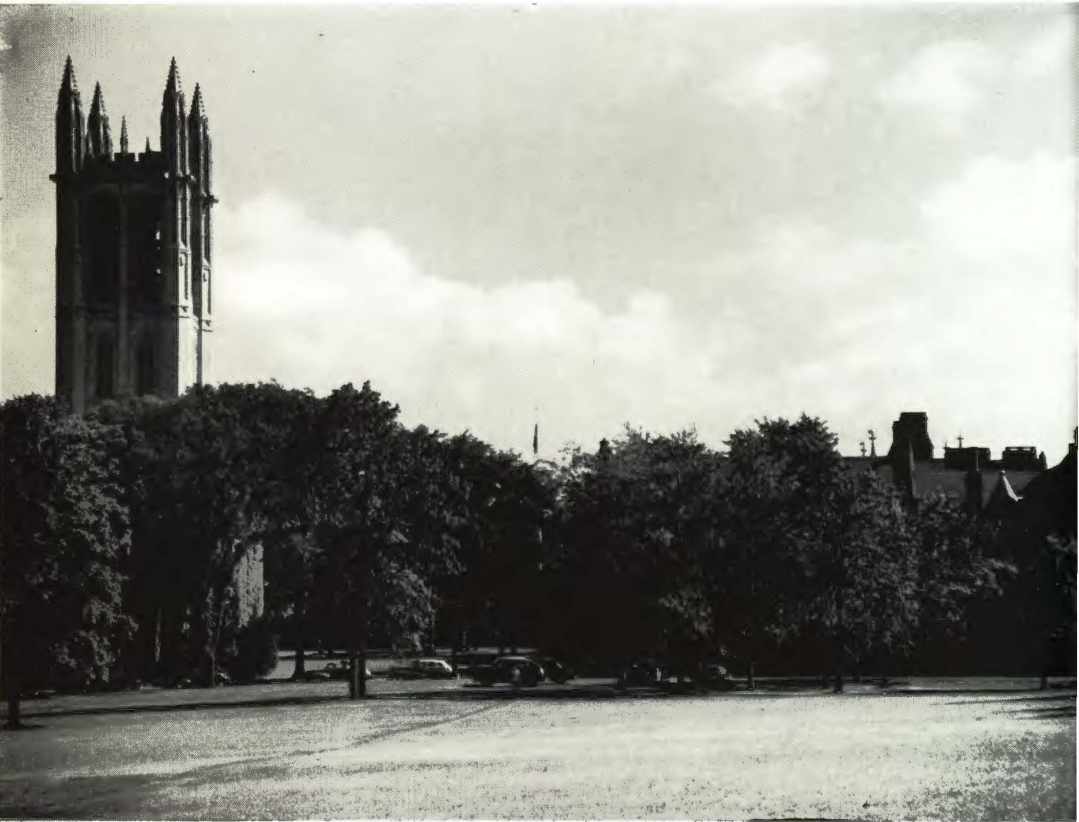
America's first collegiate gothic quadrangle and Trinity's famous elms are fondly remembered



by more than 5,000 alumni throughout the world.



Artist John C. E. Taylor, Fine Arts department chairman, teaches drawing and painting class



Campus view from the north lawn



Professor Clarence Watters, Music department chairman and noted organ recording and concert artist, teaches music appreciation class.



Faculty candid—left to right, Professors Thompson, History; Means, Philosophy; Hood, English; Naylor, Romance Languages; Dorwart, Mathematics; Constant, Physics; Smith, Chemistry.



Jesters learn arena style dramatic techniques suitable for communities without stage theatres



Two-thirds of the student body are preparing for reserve military service as Air Force officers in the R.O.T.C. program



Ogilby Hall Dormitory—About 600 students reside in college dormitories and fraternity houses.



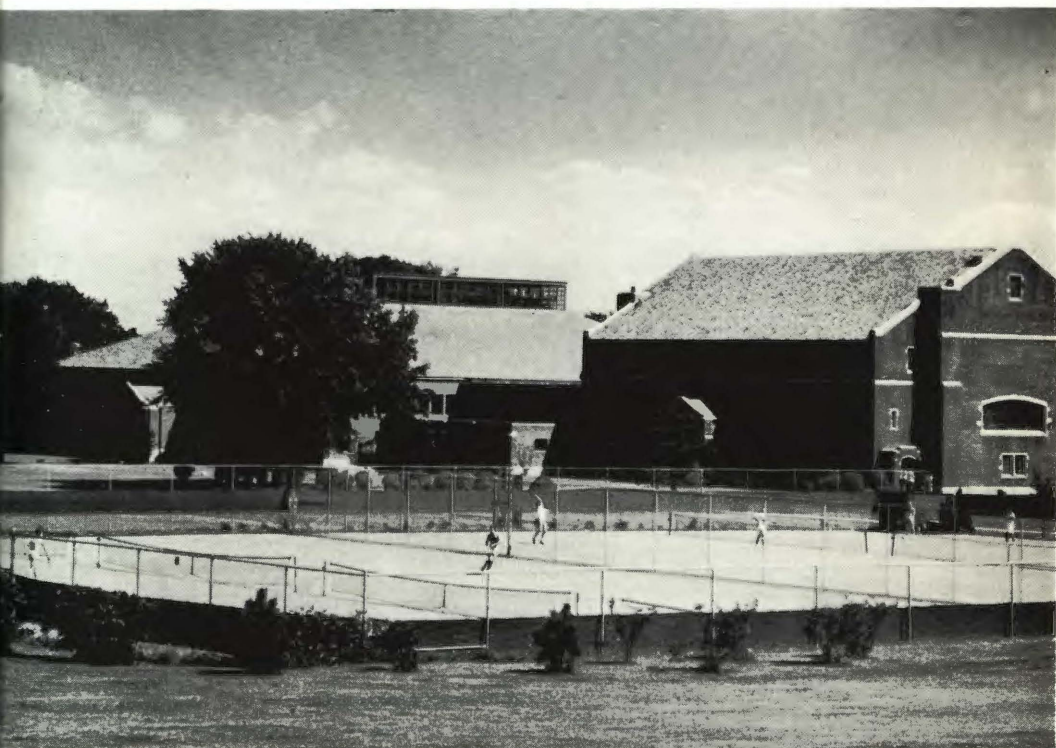
Two fraternity views—Fraternity rushing is delayed until Sophomore year



The Sophomore Hop is one of several annual formal dances at the Hartford Club



Trinity plays a full schedule of intercollegiate and intramural sports. In recent years teams were undefeated in football, New England swimming co-champions, and finalists in the New England basketball tournament.



The required two-year physical education program emphasizes sports with a lifetime recreational value such as tennis, golf, swimming and squash. Memorial Field House, above left, and Trowbridge Pool and Squash Courts Building, right, together with Alumni Gymnasium provide excellent indoor sports facilities. There are 19 acres of playing fields.



After graduation, Trinity men have proved that a liberal arts training is excellent preparation for success in graduate schools, in business, in the professions and in achieving happy and fruitful personal lives.



Trinity's secluded 80-acre campus has the advantage of location in one of the nation's wealthiest and most cultured cities. Fire protection, hospitals, work opportunities, field study in government and industry, museums and concerts are only a few of the contributions of Hartford to student life.

Student Life

ALL Trinity freshmen who are not residents of Greater Hartford are required to live in the College dormitories. After the freshman year, students may live in dormitories or fraternity houses with the approval of the Dean of Students.

Most of the dormitories are arranged in large, three-room suites which accommodate two or more students each. There are also a number of single and double rooms in dormitories. Fireplaces in many suites are an attractive heritage from Trinity's past although fire regulations now prohibit their use. Each room is equipped with essential articles of furniture: bed, mattress, bureau, desk and chair. Students provide their own rugs, reading lamps, pillows, blankets, linens and any occasional furniture desired.

The dormitory suites in Jarvis, Seabury, and Northam Towers were constructed in the 1870's but have been modernized recently. Newer dormitories are Cook (1931), Goodwin and Woodward (1940), Ogilby (1941) and Elton (1948). A new freshman dormitory housing 137 men has just been completed.

FRATERNITY HOUSES

Nine national social fraternities maintain active chapters at Trinity. They are: Alpha Delta Phi, 122 Vernon Street; Delta Psi, 340 Summit Street; Delta Kappa Epsilon, 98 Vernon Street; Psi Upsilon, 81 Vernon Street; Alpha Chi Rho, 114 Vernon Street; Delta Phi, 70 Vernon Street; Sigma Nu, 78 Vernon Street; Theta Xi, 79 Vernon Street; and Pi Kappa Alpha, 94 Vernon Street. There is one local fraternity, Alpha Theta at 118 Vernon Street. Each Fraternity maintains its own chapter house and dining facilities. Freshmen are not eligible for fraternity membership.

Fraternities cooperate in campus life through an Interfraternity Council composed of representatives of alumni and students of each chapter. Procedures for pledging of students are regulated by the council. A cup for high scholarship is awarded each year to stimulate competition for academic honors among fraternities.

INDEPENDENT SOCIAL ORGANIZATION

For students who do not wish to join a fraternity, but desire to be in a social organization there is the Brownell Club. All non-fraternity men except freshmen are eligible for membership in this organization which has clubrooms in the Campus Cottage.

STUDENT COMMONS FACILITIES

The Albert C. Hamlin Dining Hall in the main quadrangle, constructed in 1931, contains a dining hall and The Cave, informal snack bar. Service in both is cafeteria style except on special occasions. All resident Freshmen are required to eat in the Hamlin Dining Hall, which serves three meals a day except Sundays. Board charges are billed on the college term bill. The Cave serves light meals for non-resident students and is open for Sunday meals on an à la carte basis.

There are six student lounges: Goodwin, Seabury, Cook, Williams, Elton, and in the new dormitory.

Mail is distributed from a college post office in Seabury Hall. A Union Store provides books, supplies, etc., for students.

STUDENT ACTIVITIES

Student activities have an important part in Trinity's educational program, serving as laboratories for leadership, executive techniques, and some vocations.

A student government, embodied in a legislative body called The Senate, has charge of all class and club funds, and supervises the student organizations.

Honor societies include Medusa, senior honorary society for maintaining college traditions and discipline, and the Sophomore Dining Club, organized in 1897 to act as official student hosts. A Freshman Executive Council plans and supervises class extra curricular activities such as dances, smokers, and parties with freshmen of neighboring colleges for women. The Inter-dormitory Council works closely with the Medusa in handling all matters concerning conduct in the dormitories.

A selected group of Juniors are known as "Junior Advisors." These men live in the Freshman dormitories and act in the capacity of advisers and friends to the Freshmen.

To study the cultural heritage of their religions, students have organized four clubs: The Canterbury Club of Episcopal students, the Hillel Society of Jewish students, the Newman Club of Roman Catholic students and the Protestant Fellowship. Programs of these religious clubs are coordinated by an Interfaith Council.

The Trinity College Christian Association is the over-all coordinating agency for such activities as community service, service to the churches, the religious embassy, the Campus Chest and occasional special projects for relief or aid at home or abroad.

Musical organizations include a Chapel Choir, Band, Glee Club, Society of Carillonners, Society of Student Organists and the Pipes

Octet. Each spring an intramural singing contest is held for all social organizations.

Student newspapers have been in continuous publication for more than 80 years. The weekly "Tripod" has been serving Trinity students since 1904. The college yearbook is called the "Trinity Ivy" and published each June by a staff composed of members of the Junior class in honor of the graduating class. A campus literary semi-annual, the "Review," offers a critical market for manuscripts, poetry and art of Trinity students.

Radio has become a major student activity in the past few years. Students now operate Station WRTC, a wired wireless outlet affiliated with the Intercollegiate Broadcasting System. The station operates from new studios in Cook Dormitory.

The Jesters, a dramatic group, has won a reputation as one of the finest collegiate dramatic groups in the East. Their arena style performances at the College have received much favorable comment from dramatic critics.

The Atheneum Society, one of the oldest college organizations, debates current economic and political questions in intercollegiate and inter-club competition. Membership is open to all students who are interested in speech work.

Students have also organized clubs paralleling classroom interests. These include the Engineering Club, Political Science Club, the Physics Club, the Spanish Club, the Pre-medical and Science Club. Other student activities include a Camera Club, a Rifle Club, a Debating Club, an Outing Club, a Varsity "T" Club, and a Nautical Club.

COLLEGE BUILDINGS

Seabury Hall	1878	Cook Dormitory	1931
Jarvis Hall (dormitory) .	1878	Albert C. Hamlin Dining	
Northam Towers (dormi-		Hall	1931
tory)	1881	Chapel	1932
President's House	1885	Chemistry Laboratory .	1936
Alumni Hall (gymna-		Woodward-Goodwin	
sium)	1887	Dormitory	1940
Jarvis Laboratories . . .	1888	Ogilby Hall (dormitory) .	1941
Boardman Hall of		Hallden Engineering	
Natural History	1900	Laboratory	1946
Williams Memorial		Memorial Field House .	1948
(administration)	1914	Elton Hall (dormitory) .	1948
Trowbridge Memorial		Library	1952
(pool, squash courts) .	1929	New Dormitory	1953

College Expenses

GENEROUS friends have endowed the College with funds of over five million dollars. Income from these funds makes it possible for Trinity to give students an education which actually costs much more than the tuition charged. This is reflected not in a tuition lower than normal for most colleges but in improved instruction and facilities.

Bills for tuition and fees for board and room are rendered and are payable before the beginning of each term. Supplementary bills for extra courses and fees not included in the original billing will be rendered where applicable and are payable within ten days. A charge of five dollars is made for deferred payments. No deduction or refund is made for courses dropped, for absence, or for withdrawal from college for any reason.

As an associate of The Tuition Plan, the College is prepared to extend to parents or guardians the opportunity of paying tuition and other fees in equal monthly installments during the college year. The additional cost is small. Adoption of this plan is optional and intended solely as a convenience. Details will be included with the College bill.

All checks should be made payable to the "Trustees of Trinity College." Communications regarding bills should be addressed to the Treasurer. No student may receive his degree, or an honorable dismissal, until the Treasurer certifies that all his college bills have been paid, and that so far as the Treasurer knows there are no lawful claims against him.

SCHOLARSHIPS

Annual scholarships varying from \$100 to \$1,500 in value are available. General scholarships are awarded on the basis of intellectual distinction, outstanding character, potential leadership, and financial need. Scholarships are awarded for the ensuing academic year, half applicable to each semester's tuition. Scholarships will apply only for the year for which they are given, and will not in themselves be ground for continuance of assistance. If aid is desired during the following years, a new application must be filed. A number of endowed scholarships are open to students with particular qualifications. Lists of all scholarships available are found in the Directory section of this Bulletin, page 95.

Income from scholarships is credited to the holder on the College books, to be applied toward the payment of College bills. Detailed information about family financial circumstances is required of an applicant for financial aid. Applications must be filed by March 15

REGULAR COLLEGE FEES

Tuition	per term	\$325.00
(There are no student activity, athletic, or health fees)		
Fees for extra courses over five	per semester	60.00
Laboratory fees	per course per term	5.00
(for courses involving laboratory work. Book rental charges, ranging from \$4.00 to \$10.00 per year, are charged for English 101-102, French 311-312, and advanced Classics courses).		
Student Accident Insurance		
(billed in September)	per year	15.00
Graduation fee		15.00
(for members of Senior class only, billed in semester prior to graduation. Cap and gown rental approximately \$3.00 additional)		
Strong Vocational Test	Approx.	1.50
(billed at cost to Freshmen at beginning of year)		

ADDITIONAL EXPENSES FOR RESIDENT STUDENTS

Board (College Dining Hall) approx. per term	\$200.00
Room rent ranges from \$115 to \$140 per term	
The above fees do not include the cost of books and classroom supplies (averaging \$25 per term), travel expenses, laundry, clothes, medical expenses, Sunday meals or fraternity fees.	

DEPOSIT FEES

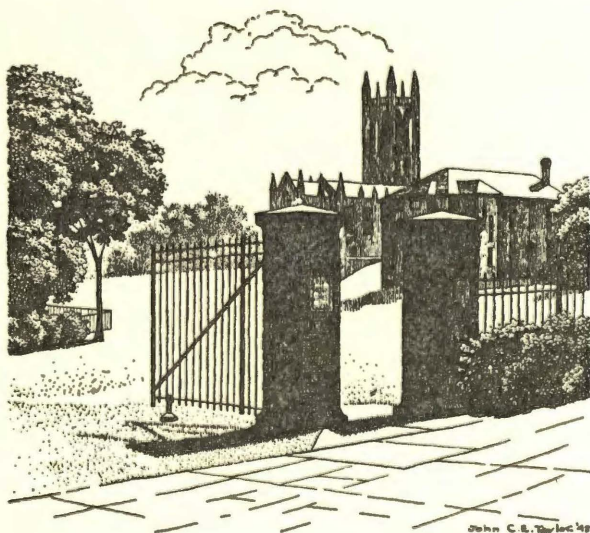
Breakage deposit (Chem. lab. courses, per term)	5.00
Key deposit (for room key)	1.00
Locker and Towel Deposit	2.50
Uniform deposit (for students taking R.O.T.C.)	25.00

for freshmen and by May 1 for upperclassmen; application blanks and full details may be secured from the Secretary of Admissions. A number of fellowships for graduate study are also available for Trinity graduates with outstanding records. A list of fellowships is found in the Directory section of this Bulletin, page 99.

STUDENT EMPLOYMENT

A number of part-time positions on the campus are available to students who are in need of financial help. Part-time jobs are also available in the City of Hartford. The College Placement Office serves as a liaison agent between students and employees. Campus positions include jobs as waiters in the dining hall, messengers in the office, reference workers in the library, clerical office workers, etc.

While it has proved possible for students to earn a part of their college expenses by work outside of class hours, experience has shown that a freshman cannot expect to be able to take regular outside employment and at the same time maintain his studies satisfactorily. It is strongly recommended therefore, that no student come to college unless he is able to maintain himself for at least the first half year without the necessity of earning funds for his college bills or his board.



Admission to College

ADMISSION to college, with all the differing requirements and examinations, must seem at times to be very confusing. In the following paragraphs, Trinity's requirements and admissions procedures are outlined as simply as possible.

General Information

Information about Trinity College and the necessary application forms for admission may be obtained by writing to the Secretary of Admissions, Trinity College, Hartford 6, Connecticut, who will advise each candidate for admission on the exact procedure to be followed. If an applicant wishes to apply for scholarship help he should ask the Secretary of Admissions to send him a scholarship blank as well as the form for admission.

Entrance Requirements

Trinity requires a diploma from an accredited secondary school and certification by this school in sufficient units of approved subjects. Specifically required are:

Four years of English	3 Units
Elementary Algebra	1 Unit
Intermediate Algebra	1 Unit
Plane Geometry	1 Unit
Two years of a single foreign or classical language*	2 Units
History	1 Unit
Total	<hr/> 9 Units

The remaining six units may be completed by courses in the natural sciences and by additional courses in mathematics, social sciences or languages.

It is recommended that candidates for the Engineering program offer for entrance to Trinity credits in Chemistry, Physics, and four years of Mathematics, including Trigonometry.

If an applicant has only thirteen or fourteen college entrance units but has done very good work in secondary school, his application will still be considered.

* The Committee on Admissions strongly recommends that candidates take their foreign languages as late as possible in their school course so that there will be little or no gap between these language courses and those in college where normally the same languages will be continued.

College Board Examinations

Applicants for admission to Trinity College are required by the Committee on Admissions to take the Scholastic Aptitude Test given by the College Entrance Examination Board.

Trinity College prefers that all non-scholarship candidates take the Scholastic Aptitude Test in January of their senior year but this test may be taken in March. Scholarship applicants are required to take the Scholastic Aptitude Test in January.

The dates for these examinations are January 9, 1954, and March 13, 1954, and the respective deadlines for application to the College Entrance Examination Board are December 19, 1953, and February 20, 1954.

More detailed information about fees, dates and application forms should be obtained by writing to the College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey, or, Box 775, Berkeley, California, whichever is nearer the applicant's home.

Interviews

Trinity requires a personal interview either with one of the Admissions Officers or with an alumnus who has been selected by the College to interview applicants for admission.

Applicants are urged to visit the campus for interviews. But if circumstances prohibit a trip to Hartford, an interview will be arranged in the candidate's home area. Applicants should state where they wish to be interviewed.

Recommendations

Trinity places great importance on the recommendations given by headmasters or principals. This recommendation is sent in with senior midyear grades on a form supplied by the College. This transcript form is sent to the applicant, and it is his obligation to see that the authorities at his school send it to Trinity College.

On the application blank, candidates are asked to give the names of teachers and friends who are qualified and willing to act as references. After application is made for admission, recommendation blanks will be sent to these references. Their recommendations also carry great weight.

When to Apply for Admission

Trinity recommends that candidates apply for Admission as early as possible in their senior year. The deadline for applications is April 1, but early applications give more time to complete the admissions procedure. Applications for scholarship aid must be filed by March 15th.

How Applicants are Selected for Admission

The most important factors in judging applicants for admission to Trinity College are academic standing, character and qualities of leadership.

Academic standing is judged by the three and one-half years record received from the principal or headmaster and by the results achieved on the examinations required. Trinity is especially interested in finding out whether grades of candidates reflect full use of their intellectual aptitude. In other words, candidates must be able to maintain the rigorous scholastic requirements of Trinity College.

Character is judged by headmaster's or principal's recommendations, by the references supplied by teachers and friends and by the personal interview with one of the admissions officers or with an alumnus.

Leadership is measured in two ways: by participation in extra-curricular activities (scouting, athletics, debating, church work, student government, etc.) and by demonstrated ability to influence other young men to high moral standards. Trinity is more interested in the quality of the work done in extra-curricular activities than in the number of activities.

General Statement on Admissions Policy

Trinity is a small liberal arts college drawing its students from all over the United States and from many foreign countries. Since enrollment must be limited, admission to the college is the result of a selective process aimed at securing the best possible candidates.

Trinity's charter states that the College shall not make the religious tenets of any person a condition for admission. Similarly, race, color or economic circumstances have never been, and are not, considered in selecting candidates for admission. Hence there are no "quotas." Since Trinity is a national institution, some weight is given to geographical distribution. Sons of alumni who meet all the entrance requirements are given preference. It should be clearly understood, however, that all applicants must meet fully the College's requirements for admission.

The College informs applicants as soon as possible of the decision of the Committee on Admissions. This decision can often be made soon after midyear marks and the results of the College Board Examinations have been received. All decisions are made by May 15th and notification sent to candidates and to their schools.

All candidates are required to present a certificate of vaccination.

Preparing for a Career

EXPERIENCE with many generations of students has demonstrated to the Faculty that the young man who gets the most out of college is the one who plans his course of study with a clearly defined and deliberate purpose. This unifying purpose is often, but not necessarily, vocational. Indeed, a major strength of liberal education is its adaptability to the personal needs of a man preparing for a broad variety of vocations. Preparation for some vocations may be principally within a "major" or "group" study, described in the chapter "A Trinity Education." Preparation for other careers involves careful selection of electives in combination with a closely allied major study. In some cases a fixed sequence of courses is desirable. Many students will find it most effective to hand tailor, in consultation with a Faculty advisor, a study program to suit particular needs. But for certain vocations chosen by a large number of students, the Faculty suggests the programs of study detailed below:

THE ACTUARIAL PROFESSION

PROFESSOR DORWART IN CHARGE

A student who expects to enter the actuarial profession should do excellent work in Mathematics. It is advisable for the student to write the first two or three actuarial examinations while still in College. These examinations are given each year by the Educational Testing Service under an arrangement with the Society of Actuaries. The first examination is a language aptitude test; the second comprises advanced algebra, trigonometry, analytic geometry, and differential and integral calculus; the third comprises the calculus of finite differences, probability, and statistics. Students interested in taking these examinations should consult with the chairman of the Mathematics Department.

A booklet published by the Society of Actuaries describes the character of actuarial work and contains the following quotation, "An actuary should be a man of general culture with a knowledge of both books and men and the more he has of both the better." In addition to a major in mathematics the Society recommends courses in English composition, business accounting, and economics. "Aside from these particular subjects, it is important for the candidate to study subjects which will give him a broad cultural foundation, as his most important responsibility will be the exercise of sound judgment."

BIOLOGY

PROFESSOR BURGER IN CHARGE

The student who is sincerely interested in making Biology a life's work will need a thorough grounding in the non-biological natural sciences and in Mathematics, together with a reading knowledge of French and German, and must plan on post-graduate study. Aside from noting that Chemistry, Mathematics, and Physics should be taken in the Freshman year, and that the Major in Biology should be taken, the balance of the program should be planned to fit the individual needs of the students. Students are urged to consult with members of the Department each year.

Students interested in teaching Biology in public or preparatory schools may take the Major in Biology or Interdepartmental Science Major. Students interested in medicine should take the Pre-Medical Group.

BUSINESS

PROFESSOR TOWLE IN CHARGE

The person who aspires to a successful career in business needs to know more than the organization and routine of the particular field in which he works. He must, in addition, be acquainted with the intricate and constantly shifting economic structure. He must, above all, develop judgment. His individual success will depend on his ability to understand and to deal with labor problems, to evaluate price policies, to appraise technological changes and their effects, to comprehend and to adjust his operations to the changing relations of government to business, and to understand developments in international trade and finance.

The student who wishes to prepare himself for a business career will find at Trinity many courses which will aid him in developing these abilities. Among the courses which the prospective businessman will find valuable are: Introduction to Economics, Money and Banking, Principles of Accounting, Statistics in Economics, Labor Problems, Labor Relations, International Trade and Commercial Policy, Public Finance, American Government, Corporation Finance, Control of Industry, Intermediate and Advanced Composition in English, Public Speaking, Economic Theory, United States History, Social Psychology.

CHEMISTRY

PROFESSOR KRIEBLE IN CHARGE

The following plan is suggested for students who expect to enter the profession of Chemistry. It includes the fundamental subjects in

Chemistry, Physics, and Mathematics and furnishes a satisfactory basis on which to continue Chemistry in a graduate school. The American Chemical Society has approved Trinity College as an institution meeting their standards for the Bachelor's Degree in Chemistry.

SECOND YEAR—Differential and Integral Calculus (Math. 201, 202); Physics 221-222; Quantitative Analysis 303, 304; Psychology 141, or Philosophy 201, 204; Elective.

THIRD YEAR—Physical Chemistry (Chem. 210); Organic Chemistry (Chem. 305-306); Advanced Calculus (Math. 302) and Differential Equations (Math. 301); or Analytical Mechanics (Phys. 301, 302); Introduction to Economics (Ec. 201-202); Elective.

FOURTH YEAR—Physical Chemistry (Chem. 407-408) or Organic Chemistry (Chem. 403-404 or 405-406); Inorganic Chemistry (Chem. 311); Instrumental Analysis 412; recent Physics and Advanced Laboratory Physics (Phys. 303, 304); Electives.

SUGGESTED ELECTIVES: English Literature (Eng. 241-242 or 243-244), History of Philosophy (Phil. 311, 312 or 315, 316), United States History (Hist. 201-202), Elementary Geology (Geol. 201-202).

EDUCATION

PROFESSOR HERDMAN IN CHARGE

Courses in Education at Trinity College are designed to contribute to the professional competence of students who plan to (a) teach in public secondary schools or teachers colleges and meet state certification requirements, (b) teach in independent preparatory schools or liberal arts colleges, (c) engage in personnel work, either through a social agency or industrial organization, or (d) enter the ministry and work in the area of religious education. In addition, the student who wishes merely to gain an insight into public education from the viewpoint of citizen and prospective parent is encouraged to elect courses in Education.

The required and recommended courses of study for the above-mentioned professional objectives vary so widely that the student contemplating teaching or related work is strongly urged to discuss his plans with Professor Herdman during his Freshman or Sophomore year. In order to meet Connecticut regulations for public high school teaching, for example, the student must complete, in addition to a strong background in subject matter, at least three courses in Education including Practice Teaching.

SUGGESTED ELECTIVES: Public Speaking, Dramatic Technique, Social Psychology, Logic, and courses in those fields having corresponding departments at the secondary school level.

ENGINEERING

PROFESSOR LOCKWOOD IN CHARGE

The courses of study outlined below offer a liberal arts education with emphasis upon engineering. A student may select either of two groups: Pre-Engineering or Engineering Major.

(1) Engineering Major.

This course of study is for those who do not elect an Engineering course at the beginning of their Freshman year, and for those who desire to spend four years at Trinity, thereafter either entering a professional school or having several years of practical experience to get a license to practice as professional engineers. The requirements for the B.S. degree must be met.

The Engineering curriculum is as follows:

FIRST YEAR. First Term: Engineering 131; Mathematics 101; Physics 121; English; Elective. *Second Term:* Engineering 132; Mathematics 102; Physics 122; English; Elective.

SECOND YEAR. First Term: Engineering 131 (if not taken in first year); Mathematics 201; Physics 121 or 221; Chemistry (dependent upon first year); Electives. *Second Term:* Engineering 132 (if not taken first year); Mathematics 202; Physics 122 or 222 or Chemistry; Electives.

THIRD YEAR. Mathematics 301; Engineering 227-228; Physics 221-222 (if not already taken); Electives.

FOURTH YEAR. First Term: Engineering 331; Engineering 333; Engineering 337; Engineering 431-432; Electives. *Second Term:* Engineering 332; Engineering 334; Engineering 328; Electives.

(2) Pre-Engineering Course.

This course should be selected by students who wish to prepare for admission to the Rensselaer Polytechnic Institute in accordance with the plan described on Page , or to any other Engineering School.

FIRST YEAR. First Term: English; Physics 121; Mathematics 101; Engineering 131. *Second Term:* English; Physics 122; Mathematics 102; Engineering 132.

SECOND YEAR. First Term: Mathematics 201; Physics 221; Engineering 227; Two Electives. *Second Term:* Mathematics 202; Physics 222; Engineering 228; Two Electives.

THIRD YEAR. First Term: Mathematics 301; Engineering 333; Engineering 337; Engineering 331. *Second Term:* Engineering 338; Engineering 332; Engineering 334.

Students intending to enter Chemical Engineering should, in their second year, substitute advanced courses in Chemistry for Engineering 333; students intending to enter Aeronautics should, in third third year, substitute Engineering 335 for Engineering 334; students intending to enter Civil Engineering should take Engineering 321 and one year of Surveying. (Engineering 235-236).

All engineering students are required to take one year of Chemistry.

Rensselaer-Trinity Course of Engineering Study

The Rensselaer Polytechnic Institute, of Troy, New York, and Trinity College, have made arrangements whereby students completing the Trinity three-year Pre-Engineering course will be admitted to the Institute in full standing. If the student has satisfied the Trinity B.S. degree requirements, Trinity College will confer upon him a B.S. degree at the completion of his first year at the Rensselaer Polytechnic Institute. A Bachelor's degree in one of the engineering fields will be granted by the Institute after a second year of study. Under this plan the student will have received two degree after five years of college work in the two institutions.

FOREIGN SERVICE

PROFESSORS SHAW AND COOPER IN CHARGE

Analysis of diplomatic service entrance examinations reveals that the successful candidate must be a person of broad cultural attainment. He should have a general knowledge of world history, literature, philosophy, science, and art, as well as a special competence in international relations, economics, modern history, and modern languages. Consequently, in his college program the potential diplomatic or consular officer should select courses on at least the elementary level in History, Government, Economics, Philosophy, Literature, and Fine Arts, and should plan advanced work in several of the following subjects:

1. American History and Government, English History, International Relations, Comparative Government.
2. International Trade Economics, Accounting, Statistics.
3. World Literature, Public Speaking.
4. Advanced work toward fluency in one or more foreign languages.

GEOLOGY

PROFESSOR TROXELL IN CHARGE

The Major in Geology has for its purpose a liberal education in a natural science, but for certain students it will serve as a foundation for further study in the geological sciences at a graduate school.

No definite study in related fields is expressly required except one course in Chemistry, one in Mathematics, and one in Physics. It is recommended that emphasis be placed on courses in Biology, Eco-

nomics, Advanced English Composition, Mechanical Drawing, Surveying, and further studies in Chemistry, Mathematics, and Physics. Such subjects are related and will afford a background for the Major in Geology.

PREPARATION FOR GOVERNMENT SERVICE

PROFESSOR BARBER IN CHARGE

A student interested in public administration, whether through civil service or through politics, will ordinarily choose a Major in Government or work in Economics or History. Within these fields such subjects as American Government, Parties and Politics, Public Administration, State and Local Government, Public Finance, Statistics, and the Control of Industry are especially valuable. In addition, work in written and spoken English and in Psychology will be a definite help. While recent examinations for Junior Administrative Assistant usually taken by college graduates for admission to the federal civil service, stress general information, most openings to public administrative positions require knowledge in several of the subjects indicated above. In addition, there are many technical positions in governmental service which may best be entered through specific training in such fields as Law, Medicine, Education, Engineering, etc.

PREPARATION FOR THE STUDY OF LAW

PROFESSORS TOWLE AND THOMPSON IN CHARGE

The student preparing for law school will find that a high level of achievement in his college work is more important than the specific field he may choose as a Major. Nevertheless, certain subjects and courses are highly desirable for law school orientation and later professional work. These can best be secured through a major in one of the social sciences. A pre-law student should plan to choose courses on at least the elementary level in History, Government, Economics and Psychology. In addition, he should do advanced work in several of the following subjects:

1. American History and Government.
2. Money and Banking, Accounting, Statistics, Government and Industry, Labor Problems, Labor Relations, Corporation Finance.
3. Public Speaking.
4. Social Psychology, Applied Psychology.

MATHEMATICS

PROFESSOR DORWART IN CHARGE

The major in Mathematics at Trinity College is designed for students who (a) desire a liberal education with special emphasis on Mathematics, (b) expect to continue further study of Mathematics in graduate schools,* (c) wish to prepare themselves for actuarial positions (see also page 50), (d) intend to teach Mathematics in secondary schools, or (e) plan to go into industrial work.

In the second year a student majoring in Mathematics should take Math. 201, 202 and Math. 203. If he is planning to take Actuarial Examinations, he may find it advisable to elect Math. 304 or Math. 310 in the second year also. In the third year, in addition to Math 301, 302 which is required of all who major in Mathematics, the student preparing for the actuarial profession will take Math. 305, 306, whereas the student planning to go to graduate school or to prepare for an industrial position should elect Physics 301, 302. The regular fourth year course for majors is Math. 401, 404, and these semester courses should be taken by all students planning to go to graduate schools. They are not required, however, for actuarial students and others who have already satisfied the requirements for the major as stated on page 31. To be eligible for Honors in Mathematics, a candidate must have taken Mathematics 401, 404.

MEDICINE AND PUBLIC HEALTH

PROFESSOR KRIEBLE IN CHARGE

The following plan includes all the subjects required for admission to the leading medical schools. The freshman year should include Eng. 101-102, Math. 101, 102, Physics 101, 102, a course in chemistry, and a modern language course.

SECOND YEAR—General Biology (Biol. 201-202); Theoretical Chemistry and Qualitative Analysis (Chem. 201), or Chemistry 303 and Chemistry 209; Psychology 141, or Philosophy 201, 204; Elective.

THIRD YEAR—Comparative Anatomy of Vertebrates (Biol. 301-302); Organic Chemistry (Chem. 305-306).

FOURTH YEAR—5 Electives. Medical school Deans say that they give preference to students who have concentrated on advanced courses in any field of study. Students should select their courses accordingly.

SUGGESTED ELECTIVES—Elements of Economics (Ec. 201-202), English Literature (Eng. 241-242 or 243-244), Linguistics, Introduction to European History (Hist. 101-102), History of Philosophy (Phil. 315, 316), Biol. 401, 402, 403, and other courses in Biology, Chemistry, Physics, Mathematics, Organic Evolution.

* A reading knowledge in French and German is essential for students going to graduate schools.

PREPARATION FOR A CAREER IN PHYSICS

PROFESSOR CONSTANT IN CHARGE

The following plan of courses is recommended for those seeking a liberal education with training in Physics; for certain students this curriculum will also serve as a foundation for further study in graduate school. There is at present a great demand for qualified physicists in the fields of teaching, industrial research and government projects.

SECOND YEAR—Differential and Integral Calculus (Math. 201, 202); General Physics; Electricity and Optics (Physics 221-222); Psychology 141 and Philosophy 201, or Philosophy 205, 206; Theoretical Chemistry and Qualitative Analysis (Chem. 105-106) or Volumetric Quantitative Analysis (Chem. 303) and Physical Chemistry (Chem. 210); Elective.

THIRD YEAR—Differential Equations (Math. 301); Advanced Calculus (Math. 302); Introduction to Theoretical Physics (Phys. 301, 302); Recent Developments in Physics (Phys. 303-304); Electives.

FOURTH YEAR—Advanced Electricity (Phys. 401, 402); Complex Variables (Math. 401); Physical Optics (Phys. 305); Introduction to Quantum Mechanics (Phys. 306); Electron tubes and Circuits (Phys. 307, 308); Electives.

(If necessary, some third and fourth year courses may be interchanged, e.g., Physics 303-304 and Physics 305-306).

SUGGESTED ELECTIVES: Engineering Drawing (Engin. 131, 132); Electrical Engin. (331-332); English Literature (Eng. 241-242 or 243-244); History of Philosophy (Phil. 311, 312 or 315, 316); Introduction to European History (Hist. 101-102); Introduction to Economics (Ec. 201-202).

PSYCHOLOGY

MR. SOUERWINE IN CHARGE

The program in psychology at Trinity College is designed to satisfy the needs of students with various interests: (1) those who desire a liberal education with emphasis on psychology, (2) those who are planning to enter a profession where a background in psychology may be desirable, such as medicine, law, education, and theology, and (3) those who are planning to make psychology a career and therefore will be taking further work in the graduate school of a larger university.

Most psychologists work in one or more of four fields: college teaching in psychology, clinical work, business and industry, social psychology. Attainment of the doctorate is becoming increasingly important in each of these fields. The undergraduate program is much the same for all of them. A major in psychology is desirable. This major must include work in experimental psychology, and it is preferable that the student has a background in elementary psychological statistics. Because of its close alignment with the other sciences and with the

social sciences, the student should also plan to take, in addition to his courses in psychology, courses at least on the elementary level in mathematics, physics, biology or physiology, economics, government, and both French and German.

Both the Veterans Administration and the United States Public Health Service have programs for subsidizing graduate students in clinical psychology. Likewise, many universities have arrangements with various research and industrial organizations whereby the student may receive valuable practical experience while pursuing his graduate studies. Members of the staff will be glad to discuss these programs with interested students.

PREPARATION FOR THE STUDY OF THEOLOGY

PROFESSOR O'GRADY IN CHARGE

Students who intend to devote themselves to the Christian Ministry or the Rabbinate are advised to present themselves for admission in the course in Arts. Their course of study while in College should be based on the plan advocated by the American Association of Theological Schools, as follows: English, Composition and Literature (12-16 hrs.); Philosophy, at least two of the following: Introduction to Philosophy, History of Philosophy, Ethics, Logic (6-12 hrs.); Religion or Bible (6 hrs.); History (6-12 hrs.); Psychology (3 hrs.); Foreign Languages, including Greek, and German, Latin, or French (12-16 hrs.); Natural Sciences (6 hrs.); Social Sciences, at least two of the following: Economics, Sociology, Political Science, Social Psychology, Education (6 hrs.).



General Information

ADVISERS

During his first term in College, a student is assigned to a member of the Faculty who will act as his adviser. The student is expected to consult him as to his choice of a Major, the relation of his studies to his occupation in life, and on any other subject or problem of college life in which he feels the need of counsel. As an upperclassman, a student is assigned to a Faculty adviser from the department in which the student is a major. At any time during the college course, students may begin counseling with the Placement Director on their choice of vocation and placement opportunities.

ADMISSION TO ADVANCED STANDING

Students who have in the past taken courses in residence at another accredited college, will receive credit for these courses toward a Trinity degree providing they receive grades of "C" or better. Those students who have attended another college must present letters of honorable dismissal in good standing. The papers of such candidates, together with a catalogue of the college previously attended, should be sent to the Secretary of the Committee on Admissions not later than April 1. Records of training programs in the Armed Services education will also be considered for credit toward a degree. Since the records of no two men will be exactly alike, the Registrar or Dean of Students work out questions of credit with each individual candidate.

SUMMER SCHOOL

A summer school, for which a separate Bulletin of courses is published, is held at Trinity College each year. The courses offered are not so numerous as in the winter session, but duplicate in the main those of the winter terms. In a number of fields it is possible to complete a full year's work in a course during the summer session. Summer school courses are open to both men and women. A student must be a high school graduate and if he has been in attendance at another college, must be in good standing at that college to be admitted to the Summer School. In other words, students who have been required to withdraw from other colleges will not be accepted. All subjects offered carry degree credit. A number of courses are offered for graduate students.

EVENING COURSES

As a service to residents of central Connecticut, Trinity College offers a number of courses in the evening during the regular academic year. These evening courses are designed primarily for part-time graduate students, and are open to both men and women.

A statement of requirements for candidacy for the Master's degree and a bulletin of evening courses may be obtained from the Director of Evening Classes.

VETERANS

To deal effectively with matters concerning students who are studying under Public Law 16 or Public Law 346, an office of veterans affairs has been established. This office handles veteran affairs under the respective public laws after admission to the college.

Students admitted to Trinity who intend to study under either Public Law 16 or Public Law 346 should, upon admission to Trinity, communicate with their local Veterans' Administration Office, requesting (1) that a certificate of eligibility and entitlement be issued to them for use at Trinity College, in pursuing a course of study toward the B.A. degree or the B.S. degree, whichever applies. In the case of graduate students the appropriate courses would be either Master of Arts or Master of Science; (2) that all necessary folders and papers be sent to the Hartford regional office of the Veterans Administration, 95 Pearl Street, Hartford.

MATRICULATION

Students are matriculated to the rights and privileges of official membership in the College Body after they have satisfactorily completed a semester of college work. The annual Matriculation Ceremony is held in February, after which qualified students sign the following promise:

"I promise to observe the Statutes of Trinity College; to obey all its Rules and Regulations; to discharge faithfully all scholastic duties imposed upon me; and maintain and defend all the rights, privileges, and immunities of the College, according to my station and degree in the same."

CREDIT FOR WORK IN SUMMER SCHOOL

Work of "C" grade or better done at an approved summer school may be counted toward satisfying the requirements for a degree. In order to have such work counted, application must be made to the Administration Committee, and its approval secured before taking up the

work. The applicant must state the courses proposed and the institution he proposes to attend. No course will be approved that duplicates other work submitted for degree requirements. The faculty reserves the right to examine upon all such work before allowing credit.

ENROLLMENT IN COURSES

A student in making his elections for a given term should take into account the choices which the schedule allows for the following term, as well as the subjects specifically required for his degree and the subjects making up the Major he has elected.

A statement of the subjects and number of each course and the period in which it belongs must be presented in writing to the Dean. No student in regular standing is allowed to enroll during any one term in less than thirteen or more than twenty-two semester hours of work. Payment of the tuition fee entitles a student to register for a program of five courses. With the consent of the Dean, a student may enroll in a program containing more than five courses. There is a charge of \$20.00 per semester hour, payable within one week at the Comptroller's Office, for each semester hour of work over and above the normal load.

Regular students may, with the permission of the instructors, audit courses for which they are not enrolled. No examinations or credit will be given to such auditors.

Permission to drop courses and change programs is given during the first week of the term. Arrangements for changes must be made with the student's advisor and reported by the student to the registrar. In no case will a fee for extra courses be refunded after the conclusion of the first week of the semester. A course dropped after one week of classes is entered on a student's permanent record with the notation "dropped"; "dropped, failing grade" if failing, or "dropped, excessive absences" if seriously overcut. In computing averages a "dropped" course will not be included while a "dropped, failing grade" and a "dropped, excessive absences" will be averaged as a grade of 40.

For promotion in class students must satisfactorily complete 18 semester hours to become a sophomore, 48 to become a junior, 78 to become a senior and at least 120 to be graduated.

TUTORIAL COURSES

Students qualified to pursue advanced work in a department may be permitted, subject to the approval of the department concerned, to register for Tutorial Courses. They will devote a portion of their time to individual study under the direction of the head of the department.

In no case does this procedure excuse a student from any of the courses required for the B.A. or B.S. degree. The privilege of working as an honor student in a Tutorial Course may be granted at any time by the Faculty.

STANDING

At the close of each term a report of the scholarship of each minor student is sent to his parents or guardian. Scholarship reports are mailed directly to students who have reached their majority.

The official estimate of the work of each student in each course of study is indicated on the basis of one hundred. Grades below sixty denote failures. A failure in a course may be made up only by repeating the course or by taking it in an approved summer school.

A "condition" is a special grade given by the instructor when in his opinion there is a deficiency that may be made up without repeating the course. A student "conditioned" in a course will be credited with that course if he passes a satisfactory examination, or otherwise satisfies the instructor.

Any student whose record of work completed at the end of a term is less than twelve semester hours is put on probation for the following term. Any student, for neglect of work, may at any time be put on probation by vote of the Faculty. When a student is placed on probation, notice of this action is sent to his parent or guardian if the student is unmarried and under twenty-one years of age.

Ordinarily a student on probation will not be permitted to manage any college organization, or to take part in any public musical or dramatic performance, or in any public athletic contest; and he may be required to put himself under the direction of a private tutor approved by the Faculty. But nothing in this section is to be so construed as to forbid students on probation to engage in intramural sports. Under certain conditions men on probation for the first time may take part in one extracurricular activity.

Students on probation may not elect more than five courses per term. Students may be removed from probation only at the end of a term. Students who are liable to probation for the third time will be required to withdraw from College, without the privilege of return. Students are usually required to withdraw (apart from the third probation) only when they have been on probation the preceding term. Students required to withdraw as a consequence of two successive probations may apply for readmission after a year has passed. Individual applications are considered on their merits by the Committee on Administration and readmission is not automatic.

The Dean of the College or the Dean of Students will summon any student who, at any final marking period passes a total of less than nine semester hours to determine the reasons for such failure and to make recommendation to the Committee on Administration. Required withdrawal may be recommended.

Censure, as distinguished from Probation given for scholastic reasons, includes posting of names on bulletin board, notification of parents, no allowance of unexcused cuts, and no participation in extra-curricular activities, including athletics. Censure is continued for the balance of the term in which it is incurred, and it is lifted, not automatically, but only by action of the Committee on Administration. A second Censure incurs automatic dismissal from college. Students on Censure are not eligible for honorable dismissal until restored to good standing by the Committee.

The College may at any time require a student to withdraw without assigning a reason therefor.

HONORS AT GRADUATION

The excellence of a student in the general work of his college course, or in the work of individual departments, is recognized at graduation by the award of honor rank in general scholarship, or in subjects in which the student has shown proficiency.

The two members of the Senior Class having the highest standing are designated, respectively, Valedictorian and Salutatorian.

Honors awarded at graduation, whether in general scholarship or in special subjects, are noted on the commencement program of the year in which they are awarded, and in the next issue of the College Catalogue.

Students attaining the grade of ninety or better in all courses required for the degree are graduated with the title of OPTIMUS.

The distinction of honor rank in general scholarship is awarded at graduation to students who have attained a grade of eighty in each of twenty full courses (or three hours each per week for the year), or their equivalent, and a grade of ninety in sixteen of these full courses or their equivalent. Of students who have been in residence less than four years, a proportionate attainment will be required.

The fields in which Honors may be awarded are: Biological Sciences, Chemistry, the Classics, Economics, Engineering, English, Fine Arts, French, Geology, German, Government, Greek, History, Latin, Mathematics, Music, Philosophy, Psychology, Physics, and Romance Languages. The departments concerned recommend to the Faculty for Honors students who have achieved excellence in four courses designated by the departments. Special examinations and a satisfactory thesis

may also be prescribed. Students are advised to consult the departmental heads concerning specific requirements.

HONOR SOCIETIES

The PHI BETA KAPPA Fraternity, founded in 1776, is an honorary society, membership in which is conferred for high scholastic standing. The Trinity Chapter, known as the Beta of Connecticut, was chartered by the Yale Chapter, the Connecticut Alpha, on June 16, 1845, and is the eighth oldest chapter in the country. The Chapter stipulates that persons elected to membership in the Beta of Connecticut shall be men of honor, probity, and learning. Election to Phi Beta Kappa is widely regarded as a mark of high distinction in scholarship.

PI GAMMA MU, a national social science honor society, was founded in 1924. The Trinity College chapter, known as Connecticut Alpha, received its charter in 1936. The society has as its purpose the recognition of outstanding scholarship in the social sciences. Members are elected by unanimous vote from among graduate students and undergraduates of the Senior and Junior classes who have achieved superior rank in scholarship in the social sciences. The society is also empowered to elect to membership persons who have distinguished themselves in public service.

SIGMA PI SIGMA is the only national physics honor society. Its chapters are restricted to some 75 colleges and universities of recognized standing, which offer a strong major in physics. Membership is restricted to physics students and to a few others in closely related fields. Selection is made on a scholastic basis. Those not meeting the scholastic requirements but interested in the aims of the society may become associates. The objects of the society are: (1) to serve as a means of awarding distinction to students having high scholarship and promise in physics; (2) to promote student interest in physics, and to encourage a professional spirit and friendship among those taking that subject; (3) to interest and inform the college community regarding developments in physics.

Courses of Instruction

EACH course, unless otherwise specified, meets three hours a week throughout the year and gives six semester hours of credit. Certain elementary language courses may be given six times a week during one term and will count as double courses for purposes of determining proper academic loads. Courses are identified by numbers ranging from 101 to 499; those courses from 101 to 199 are primarily for Freshmen; from 201 to 299 primarily for Sophomores; from 301 to 399 primarily for Juniors; and 401 to 499 primarily for Seniors.

A course number indicates a semester of work. An odd number represents a half course (three semester hours) offered in the Christmas Term (Sept.-Jan.), while an even number represents a half course offered in the Trinity Term (Feb.-June). In case a course is offered in a term different from the one indicated by its number, the fact is noted by an additional number in parentheses.

An indivisible course is numbered 101-102, six semester hours, and a divisible course 101, 102 with each half course counting three semester hours, except where otherwise noted. The symbols [] mean that a course is not being offered in 1952-53.

Summer School and Extension Courses use the same numbering system except that the letter "S" or "E" precedes the course numbers.

The word *course* as used in degree requirements signifies the equivalent of one year of work in a subject, amounting to six and in some cases to eight semester hours.

A *half course* meets for only one semester and carries credit amounting to three and in some cases to four semester hours.

A *double course* is a full year course that is completed in one term. It requires twice as much time as a regular course and it counts as *two courses* for purposes of determining fees and academic standing.

In addition to the regular courses of instruction, arrangements are made from time to time, at the convenience of the instructors, for voluntary studies in such subjects as may profitably be pursued by undergraduates; but no voluntary study may be counted towards satisfying the requirements for any degree.

AIR SCIENCE AND TACTICS

PROFESSOR HALLAM, ASSOCIATE PROFESSOR AYERS,

ASSISTANT PROFESSORS BENNETT, LONG; MR. MAILLOUX

101-102. *National Defense and the Air Force*. Details of the AF ROTC program, rules and policies which govern ROTC Cadets. Moral and statutory obligations for military service. Introduction to aviation, its historical development and importance in the modern world. Fundamentals of global geography and those geographical factors which form the basis of world political and military power. The nation's defense structure and the roles, capabilities and potentialities of the armed forces within this structure. Drill—basic military training. Capt. Bennett. Drill—M/Sgt. Young, T/Sgt. Halstead.

201, 202. *Elements of Aerial Warfare*. The purpose, process and primary elements of aerial warfare. The air medium, targets, weapons, delivery aircraft, bases and people. The economic utilization of personnel and aircraft in accomplishment of specific aerial missions. The purpose of the USAF Officers Career Program. Opportunities for and obligations of a career in the USAF as an officer or airman. Survey of occupational fields open to USAF officers. Cadet Noncommissioned officer training. Lt. Col. Ayers. Drill—M/Sgt. Young, T/Sgt. Halstead.

301, 302. *Air Force Staff Procedure and Elements of Aerial Warfare*. Command staff concepts. Problem-solving

techniques. Communications process. Principles and techniques of learning and teaching. Air Force correspondence and publications. Military law, courts, and boards. Elements of aerial warfare including targets, weapons, aircraft, air medium, bases and air operations. Functions of the Air Force base. Leadership, drill and exercise of command. Prerequisite: Courses 101-102, 201, 202. Meets 5 hours per week. Lt. Mailloux. Drill—M/Sgt. Young, T/Sgt. Halstead.

Note: Between the Junior and Senior years students attend a six weeks summer camp. While attending camp each student is paid at the rate of \$78.00 a month and is furnished travel to and from camp, subsistence, housing, uniforms and medical attention at government expense.

401, 402. *Air Force Administration and Elements of Aerial Warfare*. A study of basic administration and logistics. Air Force management and the functions of Air Force Staffs. Elements of Aerial Warfare, targets, weapons, aircraft, air medium, and air operations. Careers in the USAF. Briefing for commissioned service. Leadership laboratory. Meets 5 hours per week. Capt. Long. Drill—M/Sgt. Young, T/Sgt. Halstead.

Note: The composition of 301, 302 and 401, 402 will be revised in 1954.

ASTRONOMY

[201-202. *Descriptive Astronomy*.] An introductory course dealing with fundamental facts, principles, and methods of

astronomy. Elective for Sophomores, Juniors, and Seniors.

ANTHROPOLOGY

See *Psychology* 369, 370

BIOLOGY

PROFESSOR BURGER AND ASSISTANT PROFESSOR HARRINGTON

101-102. *General Biology*. Primarily a course for B.A. students at the Freshman-Sophomore level. In order to count as a prerequisite to advanced work in Biology a grade of 80 or better must be secured. Limited to 40. Three class hours and one laboratory period a week. 8 semester hours. Mr. Burger.

201-202. *Introduction to Biology*. A foundation course for more advanced work in Biology designed for the Sophomore level for Biology, Pre-Medical Majors and for those who wish or need a comprehensive survey of the living world. Limited to 40. Three class hours and one laboratory period a week. 8 semester hours. Mr. Harrington.

301-302. *Comparative Vertebrate Anatomy and Zoölogy*. While the bulk of the course will be conventional comparative anatomy, the course will begin with a general survey of the Vertebrates, and will include some vertebrate histology. Elective for those who have passed 201-

202 with a grade of 70 or 101-102 with a grade of 80. Limited to one section of about 20. Three two-hour periods a week. 6 semester hours. Mr. Burger.

304. *Genetics*. Theories of inheritance and variability. Three class hours weekly. 3 semester hours. Mr. Harrington.

401-402. *General Physiology*. Biological theory in terms of physico-chemical processes. Not mammalian or human physiology. Elective for Juniors or Seniors or on consent of instructor. It is desirable that Chemistry 305-306 be taken previously. Three class hours weekly. 6 semester hours. Mr. Burger.

403. *Embryology*. A summary of embryological theory together with descriptive vertebrate embryology. Elective for those who have passed 201-202 with a grade of 70, or 101-102 with a grade of 80. Pre-medical students who desire this course are urged to take it in the Senior year. Three two-hour periods a week. 3 semester hours. Mr. Harrington.

CHEMISTRY

PROFESSOR KRIEBLE, PROFESSOR SMITH; ASSOCIATE PROFESSOR SMELLIE;
AND ASSISTANT PROFESSOR GILPIN

101-102. *Elementary General Chemistry*. The fundamental principles and concepts of chemistry. About fifteen elements and their more important compounds are covered. Special emphasis is paid to the importance of chemistry to modern, everyday living. The course is intended for students who would like a general survey of the science of chemistry. However, it is not a terminal course. Elective for those who do not offer chemistry on admission. Mr. Kriebel.

103-104. *Advanced General Chemistry*. A general study of the chemical properties and reactions of substances from the viewpoint of elementary principles

of atomic and molecular structure. Elective for those receiving credit on admission. Mr. Gilpin.

105-106. *Theoretical Chemistry and Qualitative Analysis*. A short review of the principles of inorganic chemistry followed by a study of the physical chemistry of solutions as applied to analytical chemistry. A systematic study and separation of the common cations and anions; analyses of solid unknown mixtures. Elective for those receiving credit for chemistry on admission and who pass a placement examination held during Freshman week. Mr. Smith.

201. *Qualitative Analysis*. A semester course for those who have had one year

of college chemistry. A systematic study and separation of the common cations and anions including the physical chemistry of solutions as applied to analytical chemistry. Elective for those who have passed Course 101-102 or 103-104 with a grade of 70. Mr. Smith.

209. *Elementary Physical Chemistry.* General survey of physical chemistry for pre-medical students. Atomic and molecular structure; properties of gases, liquids and solids; solutions, thermochemistry; equilibria; elementary electrochemistry; elementary colloid chemistry; radiochemistry. Elective for those who have passed Course 105-106 or 201 with a grade of 70. Mr. Smellie.

210. *Introductory Physical Chemistry.* Atomic and molecular structure; comprehensive study of properties of gases, liquids and solids; thermochemistry; solutions; equilibria; elementary electrochemistry. This course is integrated with Course 407-408 and intended for chemistry majors. Same prerequisites as for 209. Mr. Smellie.

303. *Volumetric Quantitative Analysis.* Practice in volumetric methods and calculations. Lectures and laboratory work. Elective for those who have passed Course 105-106 or 201 with a grade of 70. Mr. Smith.

304. *Gravimetric Quantitative Analysis.* Lectures and laboratory work covering gravimetric procedures. Single determinations and complete analyses of brass and limestone. Determination of copper by electrolysis. Elective for those who have passed Course 105-106 or 201 with a grade of 70. Mr. Smith.

305-306. *Elementary Organic Chemistry.* A systematic study of the compounds of carbon in both the aliphatic and aromatic series, their synthesis, properties, structures and uses. Elective for Juniors and Seniors who have received an average of 70 in their previous chemistry courses. Mr. Kriebel.

[311. *Selected Topics in Inorganic Chemistry.*] Atomic structure and isotopes; methods for determining the structure of molecules; coordination

complex compounds; recent advances in chemistry of certain metals and non-metals; reactions in liquid ammonia and liquid sulfur dioxide. Elective for those who have passed Course 209 or 210 with a grade of 70.

[402. *Advanced Organic Chemistry.*] The organic chemistry of biological substances including fats, proteins, carbohydrates, hormones, and vitamins. Lectures and laboratory work. Elective for those who have passed Course 305-306 with a grade of 70.

403, 404. *Advanced Organic Chemistry.* An extension of Course 305-306 to include important synthetic methods, the use of chemical literature, application of physical methods to the study of organic compounds, the theory of valence, organo-metallic compounds, the structure theory, isomerism, molecular rearrangements, and other similar topics. Lectures and coordinated laboratory work. Elective for those who have passed Course 305-306 with a grade of 70.

[405-406. *Qualitative and Quantitative Organic Analysis.*] A study of systematic methods for the qualitative identification of organic compounds, including treatment of both individual compounds and mixtures. The quantitative determination, by semi-micro methods, of carbon, hydrogen, nitrogen, halogens, and sulfur. Laboratory, conferences, and discussions. Elective for those who have passed Course 305-306 with a grade of 70 or better.

407-408. *Physical Chemistry.* A comprehensive course in physical chemistry integrated with and designed to follow Chemistry 210. Molecular structure and physical properties, first law of thermodynamics and thermochemistry; second and third laws of thermodynamics; solutions; homogeneous and heterogeneous equilibria; chemical kinetics and catalysis; electrochemistry; colloid chemistry; photochemistry; radiochemistry. Elective for those who have passed Course 210 with a grade of 70, Physics 201, 202 and Mathematics 201, 202. Mr. Gilpin.

409-410. *Advanced Physical Chemistry*. Topics in chemical physics investigated from a mathematical and physical point of view. These topics will include advanced thermodynamics, elementary applications of quantum and statistical mechanics to chemistry, and reaction kinetics. Elective for those who have passed Course 407-408 with a grade of 70, and Mathematics 201, 202 and 301. Mr. Smellie.

412. *Instrumental Analysis*. A laboratory course in the theory and application of instrumental methods to chemical analysis. Spectrograph; qualitative and quantitative spectroscopy; visible and

ultraviolet-spectrophotometer; absorption spectra and quantitative spectrophotometry; polarograph; polarizing microscope; potentiometric and conductance titration methods; radioactive tracer methods. Elective for Senior chemistry majors with permission of instructor. Mr. Smellie.

501-502. *Research*. May be elected for 6 semester hours. Elective for graduate students. Mr. Kriebel, Mr. Smith, Mr. Smellie, Mr. Gilpin.

503-504. *Research*. May be elected for 6 semester hours. Elective for graduate students. Mr. Kriebel, Mr. Smith, Mr. Smellie, Mr. Gilpin.

CLASSICAL LANGUAGES

PROFESSOR NOTOPOULOS, MR. MERRIMAN, MR. EGAN

Greek

101-102. *Elementary Greek*. A full course completed in one term, elective for all classes. This intensive full course, which is designed for those who begin Greek in college, meets six times a week and completes a year of Greek in the Christmas term. The aim of this course is to enable the student to read Greek as soon as possible. Significant selections from Greek literature and philosophy are used as the basis for the learning of grammar, of vocabulary, and for the practice of composition. Six hours. Mr. Merriman.

112. *Plato*. This course, which follows the intensive course in elementary Greek, meets three times a week in the Trinity term. A fourth hour is devoted to practice in reading and composition. The course is designed to complete a continuous year of the study of Greek in college with a portrait of the life and thought of Socrates as presented in Plato's *Apology* and in selections from the *Dialogues*. Discussion and collateral reading on Platonism and some aspects of the Platonic Tradition. Four hours. Mr. Merriman.

201. *Homer*. The finest portions of the *Iliad* will be read, with emphasis on

the oral reading of Homer; discussion and collateral reading on Homer, the nature and style of his poems, and some aspects of his influence on English literature. The course meets three times a week, with a fourth hour for additional practice in reading and composition. Elective for those who have taken Greek 112. Four hours. Mr. Notopoulos.

202. *Greek Lyric Poetry and Drama*. Selections from the Lyric Poets; a Greek tragedy. Three times a week and a fourth hour for additional practice in reading and composition. Elective for those who have taken Greek 201. Four hours. Mr. Notopoulos.

[301-302. *Advanced Readings in Greek*.] The material of this course is changed every year according to the desires and needs of the class. Three times a week and a fourth hour for additional practice in reading and composition. Elective for those who have taken Greek 201-202.

401-402. *Seminar: Athens of the Fifth Century B. C.* The main aspects of the century in their mutual relations will be studied from primary sources read partly in the original and partly in the Loeb translation of classical authors. The aim

of this course is to foster the development of a mind that will approach the problems of modern civilization with an understanding of their origins and a sense of human possibilities that Greek civilization bears witness to. A limited number of men in other Departments

who may desire a classical background for their special fields, may be admitted to this course with the permission of the instructor. In their case the primary sources will be read in translation. Mr. Notopoulos.

Latin

101-102. *Elementary Latin*. This course, designed for those who begin Latin in college, meets three times a week and is elective for all classes. Its aim is to enable the student to read Latin as soon as possible. Significant selections from Latin literature are used as the basis for the learning of grammar, of vocabulary, and for the practice of composition. Three hours.

111. *Intermediate Latin*. A rapid review of Latin grammar, followed by a reading of selections from Latin prose. Three times a week with a fourth hour for additional practice in reading and composition. Elective for those who have offered two or three units of Latin at entrance or have taken Latin 101-102. Four hours. Mr. Merriman.

112. *Virgil*. The finest portions of the Aeneid will be read, with emphasis on the oral reading of Virgil; discussion and collateral reading on Virgil, the sources and style of his epic, and some aspects of his influence on English poetry. Three times a week, with a fourth hour for additional practice in reading and com-

position. Elective for those who have offered two or three units of Latin at entrance or have taken Latin 111. Four hours. Mr. Notopoulos.

121-122. *Introduction to Latin Literature*. An introduction to the important writers of the Republic and early Empire, with a study of their historical backgrounds, and their influence. Three times a week, and a fourth hour for additional practice in reading and composition. Elective for those who have offered three or four units of Latin at entrance or who have taken Latin 112. Eight hours. Mr. Notopoulos and Mr. Merriman.

201-202. *Advanced Readings in Latin*. The material of this course is changed every year according to the desire and needs of the class. Three times a week, with a fourth hour for additional practice in reading and composition. Elective for those who have taken Latin 121-122. In 1953-54 the subjects are Virgil; Seneca. Eight hours. Mr. Notopoulos and Mr. Merriman.

Classical Civilization

The following courses presuppose no knowledge of Greek and Latin:

201-202. *Classical Humanities*. A study of Greek and Roman civilizations through readings in, and discussion of, a limited number of masterpieces in classical literature, history, philosophy, and science which have contributed most significantly to our own civilization. Six hours. Mr. Merriman.

203. *Roman Law*. A half-course offered in each term, which treats the historical development, principles and influence of Roman Law. Three hours. Mr. Egan.

204. *Mythology*. A study of classical and post-classical mythology essential to the understanding and appreciation of European and American literature and art. Mr. Notopoulos.

ECONOMICS

PROFESSOR TOWLE, ASSISTANT PROFESSORS CANDELET, SCHEUCH
TUCKER, AND MR. RAUNER

201-202. *Introduction to Economics.* The fundamental facts and principles of the production, exchange and distribution of wealth, and the nature and determination of the national income are followed by a more detailed examination of special subjects, such as money and banking, international trade, public finance, industrial combinations, public utilities, labor problems, and socialism. Elective for Sophomores, Juniors, and Seniors. Mr. Candelet, Mr. Tucker and Mr. Scheuch.

203-204. *Principles of Accounting.* A study of the mechanical and statistical aspects of accounting; books of records; accounts; fiscal period and adjustments; working papers; form, preparation, and interpretation of financial statements; followed by an intensive and critical study of the problems of valuation as they affect the preparation of the balance sheet and income statements. Elective for Sophomores, Juniors, and Seniors. Mr. Tucker.

301-302. *Money and Banking.* The principles and history of money, bank credit, and prices; banking operations; banking systems and central banking, especially in the United States; international monetary mechanisms; industrial fluctuations and national income analysis. Elective for those who have taken Economics 201-202. Mr. Towle.

303. *Labor Problems.* A study of labor problems growing out of modern economic arrangements; economics of wage determination in theory and practice; hours; unemployment; role of the state in protecting workers, especially with regard to social security; history of the labor movement. Elective for those who have taken Economics 201-202. Mr. Scheuch.

304. *Labor Relations.* Trade-union structure and government; collective bargaining and its issues (union shop; hir-

ing, promotion, and discharge; technological changes; etc.); collective bargaining experience in selected industries; industrial disputes; unions and politics; government control of labor relations. Elective for those who have taken Economics 303; others admitted by consent of the instructor. Mr. Scheuch.

306. *Public Finance.* Financial history of the United States; public expenditures; public revenues; public debts; financial administration; economic effects of government fiscal policies. Elective for those who have taken Economics 201-202. Mr. Candelet.

308. *Government and Industry.* Forms of industrial organization; public regulation of railroads and public utilities; government economic planning. Elective for those who have taken Economics 201-202. Mr. Candelet.

309. *Corporation Finance.* The development of the business unit; corporate organization and control; corporation securities; valuation and promotion; administration of income; expansion; financial readjustments. Elective for those who have taken Economics 201-202. Mr. Candelet.

311. *Statistics.* Nature and importance of statistics; collection and sources of data; tabular and graphic presentation of data; ratios; introduction to index numbers; the frequency distribution; measures of central tendency; measures of variability; the normal curve of distribution; elementary sampling theory; introduction to time series analysis; simple linear correlation. Mr. Scheuch.

315-316. *International Trade and Commercial Policy.* The balance of international payments; foreign exchange and international finance; international trade theories; trade restrictions; foreign investments; control of raw materials; international cartels; inter-

national economic coöperation. Elective for those who have passed Economics 201-202. Mr. Towle.

401-402. *Seminar in Economics*. Christmas Term: The development of economic thought from the Greeks through Alfred Marshall. Trinity Term:

Modern economic theory of pricing, distribution and national income. Prerequisite: Economics 201-202. Required of Economics majors in their Senior year. Others admitted by consent of the instructor. Mr. Towle.

EDUCATION

*A Section of the Department of Education and Psychology**

ASSOCIATE PROFESSOR HERDMAN AND ASSISTANT PROFESSOR MORRIS

371. *History and Philosophy of Education*. A study of the basic ideas, institutions, and practices of contemporary education in light of their historic development from earliest times to the present, and a critical examination of their underlying assumptions and values. Trinity Term. Mr. Morris.

373. *Educational Psychology, Psychology of Childhood and Adolescence*. A study of physical, emotional, social, and intellectual growth during childhood and adolescence with particular emphasis upon developmental characteristics which are of significance to the educator. Prerequisite: Psychology 141. Mr. Herdman.

374. *Educational Psychology, Psychology of the Learning Process*. A study of the nature and conditions of learning, including the development of motor skills, perception, understanding, of attitudes and ideals. Prerequisite: Psychology 141. Mr. Herdman.

[376. *Educational Sociology*.] A study of the dynamics of education in the American social order, with consideration of the influence of political and economic forces on the educational system.

471-472. *Practice Teaching*. A laboratory course of supervised observation and teaching experience in cooperation with nearby secondary schools. The student must be able to spend in the school a minimum of one-half of a secondary school day for at least eight

weeks, and must ordinarily observe or teach approximately 140 school periods. Christmas or Trinity Term. Prerequisite: Six semester hours of study in Education, senior or graduate standing, and permission of the instructor. Mr. Herdman and Mr. Morris.

473. *Educational Measurement and Evaluation*. A study of the principles involved in the measurement and evaluation of pupil characteristics, with consideration of the construction of teacher-made tests, the use of standardized achievement and aptitude tests, and the employment of simple statistical methods in the interpretation of test results. Mr. Herdman.

475. *Principles and Methods of Secondary Education*. A study of secondary school aims, curricula, and teaching methods as they grow out of the characteristics and needs of adolescents in contemporary American society. Mr. Morris.

478. *Educational and Vocational Guidance*. A study of the principles and methods involved in providing individual and group guidance for pupils in making educational and vocational decisions and adjustments. Attention is given to the purposes of guidance, and to the place of guidance services in the total school program. Mr. Herdman.

* Only Education 373, 374 may count toward fulfilling the Psychology Major.

ENGINEERING

PROFESSOR LOCKWOOD, MR. SAPEGA, AND MR. RUSSO

131. *Engineering Drawing*. Lettering, use of instruments, geometrical construction, working drawings, elementary freehand sketching, pictorial representation, screw threads, and machine fastenings. Mr. Sapega and Mr. Russo.

132. *Descriptive Geometry*. The purpose of this course is to develop a working facility in solving the basic geometrical problems of engineering, and to give training in spatial visualization. Studies are offered in determination of distances, angles, intersections of lines, planes, and surfaces, and patterns of developable surfaces. Two lectures and two periods of drawing. Elective for those who have taken Engineering 131 and Mathematics 101. Mr. Sapega and Mr. Russo.

227-228. *Applied Mechanics*. This course stresses graphical solutions and the theory leading up to and including the dynamics of rotating bodies; also prepares for advanced structural courses and kinematics of machinery. It stresses the engineering approach to the subject matter. Prerequisites: Mathematics 101, 102; Physics 121-122 and currently taking Mathematics 201, 202; Physics 221-222. Mr. Lockwood.

235-236. *Surveying*. Principles of surveying, covering the use of the tape, compass, level, transit, and plane table; laying out of traverses, including use of stadia; azimuth by solar observations; mapping of a section of the campus, curves and earthwork; more field work in the use of instruments. Required for students intending to follow civil and electrical engineering. Mr. Russo.

321. *Advanced Drawing and Mechanisms*. Detail and assembly drawings; manufacturing processes; kinematics of machines. Prerequisite: Engineering 131, 132; 227-228. Mr. Lockwood.

331-332. *Elements of Electrical Engineering*. Christmas Term—Two lectures a week on the fundamentals of

applied electromagnetism, theory and operation of direct current circuits, and machinery and one two-hour laboratory. Trinity Term—Three lectures a week on the theory and operation of alternating current circuits and machinery and one two-hour laboratory. Prerequisites: Physics 221-222; Mathematics 201, 202. Mr. Sapega.

333. *Engineering Materials*. A study of the manufacture and properties of ferrous and nonferrous alloys, cements, clay products, protective coatings, fuels, and water softening. Laboratory work will illustrate the effects of mechanical workings, heat treating, and welding on the microstructure and physical properties of carbon and alloy constructional and tool steels, proportioning of concrete, and physical characteristics and properties of wood. Three lecture-recitation periods and one laboratory period per week. Prerequisite: one year of Chemistry. Mr. Sapega.

334. *Strength and Elasticity of Materials*. A study of the stresses and deformations in tension and compression members, riveted and welded joints, shafts, beams, and columns. Three recitations per week. Prerequisite: Math. 201, 202; Physics 221-222; Engr. 227-228; 333. Mr. Sapega.

335. *Fluid Mechanics*. The fundamentals of fluid flow and its application to hydraulic machinery and structures. Three recitation periods and one laboratory period per week. Prerequisite: Engr. 227-228. Mr. Sapega.

337-338. *Thermodynamics and Heat Power*. A study of the fundamentals of thermodynamics and the reciprocal conversions of heat and work accomplished through the media of various prime movers and their auxiliary equipment. Fuels and combustion, steam boilers and their accessories, steam engines and turbines, internal combustion engines of various types, pumps and air compres-

sors, heat transmission, air conditioning and refrigeration. Field trips. Prerequisite: Physics 221-222 and Mathematics 201, 202. Mr. Sapega.

431-432. *Engineer in Business and Economics of Engineering*. History of Engineering, specifications, contracts, nature of engineering; role of engineer;

costs of structures and industrial operations; interests, depreciation; problems of accounting, valuation; study of plant layouts; additional problems in applied economics. Three recitations per week. Open to Seniors only. Mr. Lockwood.

433-434. Seminar open to Senior Engineers only. Engineering staff.

ENGLISH

PROFESSOR ALLEN; ASSOCIATE PROFESSOR HOOD;

ASSISTANT PROFESSORS CAMERON, MC NULTY, RISDON, VOGEL, AND WILLIAMS*; MR. DANDO, DR. MORSE, MR. NICHOLS, AND DR. REID

Composition, Speech, Dramatics

101-102. *Freshman English*. Practice in composition, reading, and speaking. Fortnightly conferences. Book fee of \$4. Required of all Freshmen. Mr. Allen, Mr. Cameron, Mr. Dando, Mr. Hood, Mr. McNulty, Mr. Morse, Mr. Nichols, Mr. Reid, and Mr. Risdon.

201, 202. *Expository Writing*. Prerequisite: English 101-102 with a grade of at least 70. Limited to 15. Mr. McNulty.

203, 204. *Introduction to Writing for Publication*. Analysis and criticism of markets and editorial policies. Articles are submitted for publication. Prerequisite: English 101-102 with a grade of at least 70. Limited to 15. Mr. McNulty.

211-212. *Argumentation and Debate*. The theory and practice of forensics, with particular reference to current political and social questions. Debates, discussions, and written exercises in analysis, research, briefing, and argument. Prerequisite: English 101-102. Limited to 20. Mr. Hood.

221, 222. *Public Speaking*. A study of oral English as a unifying and problem-solving agent of society. Group discussion and practice in the preparation and delivery of speeches. Prerequisite: English 101-102. Limited to 20. Mr. Vogel.

231. *Dramatic Technique: Play Analysis*. Analysis of the nature and structure of one-act and full-length plays. Prerequisite: English 101-102. Mr. Nichols.

232. *Dramatic Technique: Playwrighting*. The writing of one-act plays. Prerequisite: English 101-102 and permission of the instructor. Mr. Nichols.

401, 402. *Creative Writing*. The imaginative forms of writing, for those interested in exploring the techniques and disciplines of fiction and poetry. Critiques and discussion of both student and professional work. Mr. Vogel and Mr. Morse.

*On leave of absence, 1953-1954.

Literature

241-242. *Survey of English Literature*. A study of the most important writers of English prose and poetry from Anglo-Saxon times to the present, with attention to their historical and literary

backgrounds. Lectures, prescribed reading, and exercises in interpretation and criticism. Prerequisite: English 101-102. Mr. Cameron, Mr. McNulty, Mr. Morse, Mr. Reid, and Mr. Risdon.

243-244. *Survey of World Literature.* A study of the modes and traditions of world literature, oriental and western, in the light of environment, climates of opinion, and literary evolution. Prerequisite: English 101-102. Section limit 25. Mr. Hood.

245-246. *Survey of American Literature.* A study in genesis, backgrounds, and critical significance, with concentration upon the American Renaissance. Special emphasis upon Poe, Emerson, Thoreau, Hawthorne, Melville, Whitman, James, Dickinson, Clemens, and Eliot. Limited to 30. Mr. Cameron.

353. *The Age of Chaucer.* An introduction to the language and art of Chaucer and a consideration of the masterpieces of his early and middle periods. Prerequisite: English 241-242, or 243-244, or 245-246; or for Juniors and Seniors not majoring in English who have not had one of the Survey courses, permission of the instructor.

354. *The Age of Chaucer:* the later period. The masterpieces of Chaucer's latest period and other great works of the Middle English period. Prerequisite the same as for English 353.

[357. *Seventeenth Century:* Donne to Dryden. Studies of selections from the prose and poetry of the period. Prerequisite the same as for English 353.]

[358. *Seventeenth Century:* Milton. Detailed study of *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*. Lectures on Milton's prose and minor poems. Prerequisite the same as for English 353.]

[359. *Eighteenth Century:* the Age of Pope. A study of neo-classical concepts of society and literature as revealed by the major writers of the period. Prerequisite the same as for English 353.]

[360. *Eighteenth Century:* the Age of Johnson. A study of the decline of neo-classicism and of the development of romantic ideas of society and literature as exemplified in the major authors of the period. Prerequisite the same as for English 353.]

361. *Nineteenth Century:* The Romantics. The poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats. Prerequisite the same as for English 353. Mr. Allen.

362. *Nineteenth Century:* the Victorians. The poetry of Tennyson, Browning, Arnold, and Swinburne; the prose of Carlyle and Ruskin. Prerequisite the same as for English 353. Mr. Allen.

[363. *Contemporary Literature:* American and British poetry and prose from 1885 to 1920. Prerequisite the same as for English 353.]

[364. *Contemporary Literature:* American and British poetry and prose from 1920 to the present. Prerequisite the same as for English 353.]

[371. *The Drama to 1642.* A survey with emphasis on the Golden Age in Greece and the Elizabethan period in England.]

[372. *The Drama from 1660.* A survey with emphasis on the contemporary period.]

373. *Prose Fiction:* to 1800. A survey of the forms and theories of prose fiction down to and including the beginnings of the novel. Prerequisite the same as for English 353. Mr. Risdon.

374. *Prose Fiction:* since 1800. A study of the development of modern techniques in prose fiction, especially the novel. Prerequisite the same as for English 353. Mr. Risdon.

381-382. Shakespeare. A course intended to give a reading knowledge of the more important plays. In Christmas Term, six comedies (*Midsummer Night's Dream*, *Merchant of Venice*, *Much Ado About Nothing*, *As You Like It*, *Twelfth Night*, and *Measure for Measure*), five histories; and one tragedy, *Romeo and Juliet*: in Trinity Term, six tragedies (*Julius Caesar*, *Hamlet*, *Othello*, *King Lear*, *Macbeth*, and *Antony and Cleopatra*) and two romances (*The Winter's Tale* and *The Tempest*). Prerequisites the same as for English 353. Mr. Allen.

491. *Seminar*. Varied topics treated with emphasis upon student initiative. Required of all Senior English majors and open to others with the consent of the instructor. Mr. Allen, *Ben Jonson*; and Mr. Nichols, *Tragedy*.

492. *Seminar*. Varied topics treated with emphasis upon student initiative. Required of all Senior English majors and open to others with the consent of the instructor. Mr. Dando, *Satire*; and Mr. Morse, *Symbolism*.

FINE ARTS

ASSOCIATE PROFESSOR TAYLOR AND ASSISTANT PROFESSOR PAPPAS

101. *History and Appreciation of Art*. A survey of painting, sculpture, and architecture from the Pre-Classical periods to modern times. A basic course for the understanding and enjoyment of art, it analyzes and explains by means of lantern slides and photographs the technical and aesthetic principles of the major visual arts. The first half of the material (ancient and medieval art) is dealt with during the first semester. Elective for all classes. Mr. Taylor and Mr. Pappas.

102. *History and Appreciation of Art*. The second half of the material (Renaissance and Modern Art) is dealt with during the second semester. Elective for all classes. Mr. Taylor and Mr. Pappas.

201-202. *Applied Fine Arts*. A study of the Fine Arts through practical work in various media. No previous training is necessary. Elective for those who have taken Course 101, 102 and for others with the consent of the instructor. Mr. Taylor and Mr. Pappas.

207. *Architecture*. An introductory course in the history and appreciation of the art of architecture from the Pre-Classical periods to the present time. Emphasis is placed on medieval architecture and on the medieval style as used in later times. Christmas Term. Elective for those who have taken Course 101, 102 and for others with consent of instructor. Mr. Taylor.

208. *Classical Art*. A review of the architecture, sculpture, and painting of Greece and Rome. Most of the course however is concerned with various aspects of the classical tradition in later

times. Elective for those who have taken Course 101-102 and for those who have the consent of the instructor. Trinity Term. Mr. Taylor.

209. *Italian Renaissance Painting*. A survey of Italian painting from the early Renaissance through the baroque period. The course includes studies of the representative painters, certain aspects of iconography, and the social and political conditions that affected the fine arts during the Renaissance in Italy. Christmas Term. Elective for those who have taken 101, 102, and for others with consent of instructor. Mr. Taylor.

210. *Renaissance Art in Northern Europe*. This course begins with the Van Eyck brothers and ends with Holbein. It includes studies of representative Netherlands and German artists, both painters and engravers. The social and political history of Northern Europe during the Reformation period, insofar as it affected the fine arts, is also studied. Trinity Term. Elective for those who have taken 101, 102, and for others with the consent of instructor. Mr. Taylor.

211-212. *Graphic Arts*. This course includes various "black and white" techniques, such as pencil, conte crayon, scratch board, pen and ink, wood-cut, and linoleum cut. Elective for those who have taken 201-202. Mr. Pappas.

301-302. *Advanced Drawing and Painting*. Particular attention is given to the needs and aptitudes of the individual student. Before entering the course each student must have had some previous basic training in drawing and painting, or satisfy the Fine Arts De-

partment that he has ability. Elective, therefore, for those who have taken Fine Arts 201-202 and for others with

consent of the instructor. 6 hours. Mr. Pappas.

GEOLOGY

PROFESSOR TROXELL AND MR. SMALL

101-102. *Introduction to Geology.* Principles of physical and historical geology, similar to course 201-202, but supplemented by field trips and laboratory work. Four semester hours credit. Satisfies science requirement for B.A. degree. Limited to 50. Mr. Troxell and Mr. Small.

203. *Geography of the United States.* Physiographic regions of North America. A detailed study of the sections of our continent, especially taking up the influence of topography and resources on human activities; with map studies. Elective for those who have taken Course 101-102 or 201-202. Mr. Troxell. Christmas Term.

204. *Geography of the World.* Lectures and map studies of various continents with especial emphasis on the theatres of war and areas of present interest. Elective for those who have taken Course 101-102 or 201-202. Mr. Troxell. Trinity Term.

205. *Meteorology.* An introduction to the science of weather and climate; a study of the physical and chemical properties of the atmosphere; its layers, the winds, storms and fronts; weather changes and forecasting. Attention is given to weather elements for the use of the pilot and navigation. Mr. Troxell. Christmas Term.

207-208. *Organic Evolution.* A study of fossils, their preservation in the rocks, their uses in geology, and their evolutionary significance, together with the factors governing the development of extinct and modern groups of animals. Elective for Sophomores, Juniors, and Seniors. Mr. Troxell.

209. *Mineralogy.* Crystallographic, physical, and chemical attributes of minerals; their occurrence and origins.

Laboratory. Elective for those who have taken Course 101-102 or 201-202 and Chemistry 101-102. Limited to 12. Mr. Troxell. Trinity Term.

[211. *Structural Geology.*] Rock structures and their interpretation in the field. Elective for those who have had Geology 101-102 or 201-202. Limited to 15. Trinity Term.

[212. *Gems and Gem Minerals.*] An investigation of precious and semi-precious stones available for cutting. A study of their physical qualities: hardness, refractive index, color, et cetera; their occurrence, testing, and marketing. Christmas term. Elective for those who have taken Mineralogy 209.

213. *Geomorphology.* An advanced approach to the study of the surface features of the earth. Elective for those who have taken Course 101-102 or 201-202. Mr. Small.

214. *Glacial Geology.* The causes and mechanics of glaciation, its influence on topography and the activities of man; glacial chronology. Elective for those who have taken Course 101-102 or 201-202. Mr. Small.

S215. *Field and Laboratory Geology.* The use of maps and models in the classroom. Frequent trips to interesting and important localities in the Hartford area. Mr. Troxell.

[302. *Elementary Petrology.*] Mineralogical and megascopic structural and textural characteristics of common rocks. Introduction to geochemical principles that determine origins and occurrences of common rocks. Laboratory and field trips. Elective for those who have taken Geology 209, or who take Geology 209 concurrently. Limited to 12. Trinity Term.

[304. *Economic Geology.*] Occurrence and origin of ores and of non-metallic materials other than coal, oil, and building stone. Mining problems arising from geologic effects, particularly de-

formation of the rocks in which the deposits occur. Elective for those who have taken Geology 209 and 211. Limited to 12. Trinity Term.

401. *Problems in Geology.*

GERMAN

PROFESSOR HUGHES, ASSISTANT PROFESSOR FRESE, AND MR. ROBERTS

101-102. *Elementary German* Emphasis on pronunciation, grammar, and reading of easy texts. Three classroom hours and two laboratory hours per week. Eight semester hours credit. Mr. Hughes, Mr. Frese and Mr. Roberts.

111-112. *Advanced Grammar, Composition, and Translation.* Practice in speaking, reading, and writing German. Review of grammar essentials. Intensive reading of graded and literary texts. Prerequisite: German 101-102 or its equivalent. Three classroom hours and two laboratory hours per week. Eight semester hours credit. Mr. Frese and Mr. Roberts.

211-212. *Conversation and Composition.* This course is conducted in German and gives individual attention in order to develop an active command of the language. Three semester hours per term. Prerequisite: German 111-112 and consent of instructor. Mr. Frese.

[301. *Trends of Thoughts in German Literature from the Earliest Times to the Classical Period.*] Philosophical background—influences from France and England. Three semester hours credit. Prerequisite: German 111-112. (Will be given in Christmas term 1954).

[302. *Schiller and the Humanistic Ideal in Germany.*] Three semester hours credit. Prerequisite: German 111-112. (Will be given Trinity Term 1955).

311. *Modern German Lyric Poetry.* Selected poets of the 19th and 20th centuries. Three semester hours credit. Prerequisite: German 111-112. (Christmas term 1953) Mr. Hughes.

312. *Masters of Modern German Drama.* Representative works of the 19th and 20th century dramatists. Three semester hours credit. Prerequisite: German 111-112. (Trinity term 1954). Mr. Hughes.

[321. *Modern German "Novelle."*] Selected authors including Eichendorff, Brentano, Tieck, Gottfried Keller, Schnitzler, Thomas Mann, Herman Hesse, Stefan Zweig. Three semester hours credit. Prerequisite: German 111-112. (Will be given Christmas term 1954).

[322. *The German "Bildungsroman."*] A study of the most important novels from the 17th to the 20th century. Three semester hours credit. Prerequisite: German 111-112. (Will be given in Trinity term 1955).

331. *The Golden Age in German Literature.* Literary movements and tendencies during the second half of the 18th and early 19th centuries. Three semester hours credit. Prerequisite: German 111-112. (Christmas term 1953). Mr. Frese.

332. *Goethe's Faust.* Part I read, Part II discussed. Three semester hours credit. Prerequisite: German 111-112. (Trinity term 1954.) Mr. Frese.

431-432. *Thesis Course.* Written reports on individually chosen classics. No class meetings. Six semester hours credit. Prerequisite: one full year in German Literature and consent of the instructor. Mr. Hughes and Mr. Frese.

GOVERNMENT

ASSOCIATE PROFESSOR BARBER AND MR. LAWN

201. *Modern Government.* General introduction for students planning further work in the subject as well as a survey course for those in other fields. Political Theory, comparative government, the United Nations. Christmas Term. Mr. Barber and Mr. Lawn.

204. *American National Government.* The legislative, administrative, and judicial processes of the federal government. Trinity Term. Prerequisite, Government 201. Mr. Barber.

301. *Public Administration.* Administrative organization, budgeting, personnel management, staff-line relations. Prerequisite, Government 204 or Economics 306. Trinity Term. Mr. Barber.

[304. *Government, the Individual, and the Community.*] Government as viewed by the citizen, emphasizing its direct impact upon him, especially at the local level. Representation, pressure groups, taxation, policing, education, zoning and planning. Trinity Term.

308. *Comparative Government.* The structure, politics, and administration of post-war governments, with emphasis upon Europe. Trinity Term. Prerequisite, Government 201. Mr. Lawn.

[312. *American Parties and Politics.*] Party structure, election machinery,

campaigning, pressure groups. Student participation in election campaigns when possible. Christmas Term. Prerequisite, American Government or American History.

314. *Problems of American Security.* Impact of world crisis upon such problems as: the democratic processes and individual freedom; mobilization and a free economy; the inter-relationships of foreign and domestic policies; America's goal in the United Nations and regional security pacts; control of subversive activities; propaganda, information and censorship; ideological background; citizen responsibilities and rights. Open only to Juniors and Seniors. Christmas Term. Mr. Barber.

401, 402. *Government Workshop.* Advanced study and research work in various phases of government, with individual conferences. Prerequisites: Juniors and Seniors with six semester hours. Mr. Barber and Mr. Lawn.

403, 404. *Government Internship.* Study through direct participation in the work of governmental or quasi-governmental agencies. Prerequisites: Juniors and Seniors with six semester hours in Government, plus the approval of the instructor. Mr. Barber.

HISTORY

PROFESSOR THOMPSON, ASSOCIATE PROFESSOR COOPER, ASSISTANT

PROFESSORS SHAW, DAVIS, DOWNS, AND BLACK,

VISITING PROFESSOR SPINKA

101-102. *An Introduction to European History.* A survey of Western European history from the fall of the Roman Empire to the present. Elective for all classes. Mr. Cooper, Mr. Shaw, Mr. Davis, Mr. Downs, Mr. Black.

201-202. *United States History.* A political, economic, and social survey. Sophomores, Juniors, and Seniors. Mr. Thompson, Mr. Black.

203. *Ancient History of the Near East and Greece.* The origins of society in the Mediterranean world. A survey of ancient Near Eastern history and of Greece to the death of Alexander the Great. Sophomores, Juniors, and Seniors. Mr. Davis.

204. *Hellenistic and Roman History.* A survey of the Mediterranean world during Hellenistic and Roman times to

A. D. 325. Sophomores, Juniors, and Seniors. Mr. Davis.

205-206. *History of the Middle Ages.* A survey of Western Europe from the fourth to the fifteenth century including the Byzantine Empire and Islam. Prerequisite: History 101-102. Mr. Downs.

207. *History of England to 1603.* A survey of the political, constitutional, economic, and religious evolution of England from the Roman Conquest to the death of Elizabeth I. Prerequisite: History 101-102. Mr. Cooper.

208. *History of England from the Accession of James I to the Present.* The development of England, Great Britain, and the Empire since 1603. Prerequisite: History 101-102. Mr. Cooper.

303. *The Italian Renaissance.* The political, economic, and cultural movements, 1300 to 1500. Prerequisite: History 101-102 and the permission of the instructor. Mr. Cooper.

[304. *The Reformation.*] A study of the evolution of modern secular and religious institutions during the sixteenth century. Prerequisite: History 101-102 and the permission of the instructor. Mr. Cooper.

[305. *England in the Eighteenth Century.*] The political, cultural, and economic life of the period 1688-1820 stressing the foundations of power of the governing class. Prerequisite: History 207, 208 and the permission of the instructor. Mr. Cooper.

[306. *England in the Nineteenth Century.*] England from 1820 to 1914 stressing the age of reform, the evolution of middle-class culture and the industrial supremacy of Britain and the Empire. Prerequisite: History 207, 208 and the permission of the instructor. Mr. Cooper.

307. *The French Revolution.* A study of the techniques of revolution, as illustrated by the most thoroughly analyzed of all revolutions. Prerequisite: History 101-102. Mr. Shaw.

308. *The Napoleonic Era.* A study of revolutionary aftermath. Prerequisite: History 101-102. Mr. Shaw.

309-310. *History of Russia.* A survey of Russian History emphasizing developments in the nineteenth and twentieth centuries. Prerequisite: History 101-102. Mr. Spinka.

[311. *The Middle Atlantic States.*] The political, economic, social, and intellectual history of the region to 1912, stressing its influence on the development of the United States. Prerequisite: History 201-202. Juniors and Seniors. Mr. Thompson.

[312. *The Colonial Period of American History.*] The background and the political, economic, and social history of the period. Prerequisite: History 201-202. Junior and Seniors. Mr. Thompson, Mr. Black.

315. *The History of Canada.* A brief survey of Canadian history, emphasizing Canada's development as a self-governing Dominion within the British Empire. Mr. Black.

316. *The History of Latin America.* A short survey of the Iberian cultures of the Western Hemisphere. Mr. Black.

321-322. *Contemporary World Affairs.* Detailed examination of daily news, based on current topics with historical background. Prerequisite: History 101-102 and permission of the instructor. Juniors and Seniors. Mr. Shaw.

[323. *International Affairs, 1648-1815.*] Detailed study of the balance of powers, wars and treaties, from Congress of Westphalia through Congress of Vienna. Prerequisite: History 101-102. Juniors and Seniors. Mr. Shaw.

[324. *International Affairs, 1815-1939.*] The rise of nationalism, industrialism, and imperialism, leading through the first World War, its aftermath, and up to the second World Contest. Prerequisite: History 101-102. Juniors and Seniors. Mr. Shaw.

[325-326. *The Rise of the United States as a World Power.*] An historical survey of the diplomacy and foreign trade of the United States. Prerequisite: History 201-202. Juniors and Seniors. Mr. Thompson.

331. *History of Greece 594 B. C. to 338 B. C.* A study of the political, economic, and social development of Greece from Solon to the loss of Greek independence after Chaeronea, with especial emphasis on the growth of democracy at Athens. Prerequisite: History 203 or permission of the instructor. Mr. Davis.

332. *Alexander the Great and the Hellenistic Era, 338 B. C. to 200 B. C.* A history of Greece and the Near East from the conquest of Greece by Macedonia with especial study of the source material on Alexander the Great and on the Hellenization of the East. Prerequisite: History 203 or permission of

the instructor. Mr. Davis.

[333. *The Roman Republic 265 B. C. to 44 B. C.*] A political, economic, and social survey of Roman history from the beginning of Rome's expansion overseas to the end of the Republic with especial emphasis on the Age of Cicero and Caesar. Prerequisite: History 204 or permission of the instructor. Mr. Davis.

[334. *The Roman Empire, 44 B. C. to A. D. 180.*] History of Rome from the death of Caesar through the Age of Antonines with especial emphasis on the Augustan Age, survey of the economic and social institutions of the High Empire. Prerequisite: History 204 or permission of the instructor. Mr. Davis.

401, 402. *Seminar in History.* Prerequisite: the permission of the Instructor, Seniors, History Majors. Mr. Thompson and staff.

LINGUISTICS

PROFESSOR NAYLOR

101, 101 (2). The study of essential steps in the history of English, of the elements of Greek and Latin with the important roots and their English deriv-

atives, of the development of word meanings, and of some basic principles underlying the use of language. Repeated in Trinity Term. Mr. Naylor.

MATHEMATICS

PROFESSOR DORWART, ASSOCIATE PROFESSOR NILSON, ASSISTANT PROFESSOR KLIMCZAK, MR. STEWART, MR. MONTGOMERY

101. *Analytic Geometry and Calculus I.* Cartesian coordinates. The straight line. Equations of curves. Derivative of a function. Differentiation of algebraic functions. Rates and differentials. Indefinite integrals. Definite integrals. Required Freshman course. Mr. Dorwart, Mr. Nilson, Mr. Klimczak, Mr. Stewart, Mr. Montgomery.

102. *Analytic Geometry and Calculus II.* The fundamental theorem of the integral calculus and its applications. Extreme values. The circle, parabola,

ellipse, and hyperbola. Curve-tracing. Required Freshman course.* Prerequisite: credit for Mathematics 101 or permission of instructor. Mr. Dorwart, Mr. Nilson, Mr. Klimczak, Mr. Stewart, Mr. Montgomery.

201. *Analytic Geometry and Calculus III.* The exponential and logarithmic functions. The trigonometric functions. Theorem of mean value. Indeterminate forms. Integration; standard forms, table

* For exceptions see page 28.

of integrals, rational fractions. Polar coordinates and applications. Elective for those who have passed Mathematics 102 with a grade of 70 or better or on permission of instructor. Mr. Dorwart, Mr. Stewart, Mr. Montgomery.

202. *Analytic Geometry and Calculus IV*. Parametric equations. Curvature. Series. Solid analytic geometry. Partial differentiation. Double integrals. Prerequisite: credit for Mathematics 201 or permission of instructor. Mr. Dorwart, Mr. Stewart, Mr. Montgomery.

203. *Higher Algebra*. The usual topics of a college algebra course plus an introduction to matrices, determinants, linear systems, and quadratic forms. Elective for those who have passed Mathematics 102. Mr. Stewart.

301. *Differential Equations*. Solution of ordinary differential equations with applications to geometry, dynamics, electric circuits, chemical reactions. Elective for those who have passed Mathematics 202 with a grade of 70 or better or on permission of instructor. Mr. Nilson.

302. *Advanced Calculus*. Infinite series, partial differentiation, multiple integrals, line integrals, vector analysis, Fourier series, partial differential equations, with emphasis on applications to physics. Prerequisite: credit for Mathematics 301 or permission of instructor. Mr. Klimczak.

304. *Theory of Finite Differences*. Advancing and central difference formulas, direct interpolation, divided differences, inverse interpolation, summation of series, numerical differentiation and integration. Elective for those who have taken Mathematics 201 and 203. Mr. Nilson. (Offered in alternate years with Mathematics 310).

[305. *Mathematical Statistics*.] Discrete and continuous frequency functions, density functions, cumulative dis-

tributions, large and small sample theory, tests of statistical hypotheses, analysis of variance, sequential analysis, regression, correlation. Elective for those who have taken Mathematics 202.

[306. *Theory of Probability*.] Stochastic variable, mathematical probability, joint distributions, the normal distribution, moments, the central limit law, the Poisson distribution, the law of large numbers, convergence in probability. Elective for those who have taken Mathematics 305.

[307. *Differential Geometry*.] Elective for those who have passed Mathematics 202.

308. *Projective Geometry*. Elective for those who have passed Mathematics 102. Mr. Dorwart. (Offered in alternate years with Mathematics 306.)

[310. *Mathematics of Investment*.] Annuities certain and applications. Introduction to life insurance mathematics. Elective for those who have passed Mathematics 102. This course does not count toward the major in mathematics. Mr. Dorwart. (Offered in alternate years with Mathematics 304.)

401. *Theory of Complex Variables*. Algebra of complex numbers, analytic functions, integrals of analytic functions, expansion in series, conformal mapping, residue theory, harmonic functions and applications to hydrodynamics, thermodynamics, and electrodynamics. Elective for those who have taken Mathematics 302. Mr. Klimczak.

404. *Introduction to Modern Algebra*. A formal approach to fundamental concepts such as groups, rings, fields, together with their applications to other parts of mathematics, and to physics and philosophy. Elective for those who have taken Mathematics 203 and 302 or on permission of instructor. Mr. Stewart.

MUSIC

PROFESSOR WATTERS AND ASSISTANT PROFESSOR COULTER

101, 101 (2). *The Materials of Music*. A survey course of the organization of sound into music. The study, through participation, of acoustics, harmony, composition, vocal and instrumental techniques, and analysis. Mr. Coulter.

103-104. *History and Appreciation of Music*. An elementary course in the analytical and historical study of music since 1600. The development of discriminating taste in composition and in performance is the main objective of the course. Section limit 25. Mr. Watters. (103 may be taken separately as a half course).

105-106. *Introduction to the Opera*. A course in the appreciation of the Opera. The first half of the course will consist of a study of the historical development of the Opera as a form. The second half will be devoted to the study of specific Operas in the current repertoire. Mr. Coulter.

107-108. *Elementary Harmony*. All

candidates must have knowledge of the rudiments of music, and ability in piano playing sufficient for the performance of simple four-part exercises. Section limit 10. Mr. Watters.

109. *Johann Sebastian Bach*. A study of the life and works of Bach. Phonograph recordings and actual performances. Christmas Term. Mr. Watters.

110. *Modern Music*. A study of modern composers from Cesar Franck to the present day. Trinity Term. Mr. Watters.

201-202. *Counterpoint of the 16th and 18th Centuries*. The first half of the year is devoted to a study of the style of the great Church composers of the 16th and 17th centuries, leading to the Motets and other characteristic forms of the period. The second half deals with the harmonic counterpoint of J. S. Bach. Section limit 10. Prerequisite: Music 107-108 or equivalent. Mr. Watters.

PHILOSOPHY

PROFESSOR COSTELLO, ASSOCIATE PROFESSOR MEANS, DR. KURTZ

201. *Logic*. Elective for Sophomores, Juniors, and Seniors. One section in each term. Mr. Kurtz.

204. *Introduction to Philosophy*. Elective for Sophomores, Juniors, and Seniors. Does not presuppose Philosophy 201. One section in each term. Mr. Costello, Mr. Kurtz.

205, 206. *Origins of Modern Civilization*. Intellectual history of modern times, with special emphasis on science. Readings and reports. Mr. Costello, Mr. Means, Mr. Kurtz.

207. *Theories of Ethics*. Elective for Sophomores, Juniors and Seniors. Mr. Means.

208. *Philosophy of the State*. Elective for Sophomores, Juniors and Seniors. Mr. Means.

301. *Philosophy in America*. Elective for those who have taken one half course in Philosophy. Mr. Means.

302. *The Liberal and Empirical Traditions in English Thought*. Elective for those who have had a half course in Philosophy. Mr. Means.

303. *Theories in Aesthetics*. Trinity Term. Elective for those who have taken two half courses in Philosophy. Mr. Means.

307. *History of Religions*. (Same as Religion 303)

308. *Philosophy of Religion*. (Same as Religion 304)

311, 312. *Plato and Aristotle*. Elective for those who have taken Philosophy 204 or 315, or any two half courses in Philosophy. Mr. Kurtz.

315, 316. *History of Philosophy.* Christmas Term: Ancient and Medieval Philosophy. Trinity Term: Modern Philosophy. Required of all Philosophy majors. Elective only by those who have taken Philosophy 204, or any two half courses in Philosophy and with a grade of 75 or better; or on recommendation from other departments. Mr. Costello.

[401, 402. *Systematic Philosophy.*] 401, Spinoza, Kant, Hegel. 402, Contemporary problems. Elective for those who have taken two half courses in Philosophy with satisfactory grades. Mr. Costello.

411, 412. *Seminar in Philosophy.* Subject and time to be arranged.

PHYSICAL EDUCATION

PROFESSOR OOSTING, ASSOCIATE PROFESSORS JESSEE AND CLARKE;
ASSISTANT PROFESSORS KURTH AND CHRIST; MR. BOOTH,
MR. SLAUGHTER, AND MR. DATH

This is a required course for all Freshmen and Sophomores, reporting three times per week throughout the college year. Transfers in the Freshman and Sophomore year will meet this two-year requirement. Transfers in the Junior year will be required to take one year of physical education at Trinity. A prescribed physical education uniform is required.

The physical education program at Trinity is designed to secure and maintain a condition of good health and physical fitness, to develop recreational skill which can be enjoyed while in college and in leisure time after college, to establish habits of regular participation, and to develop favorable attitudes toward wholesome play.

Each school year is divided into four physical education terms of approximately seven weeks in duration. To meet the graduation requirement, a student must pass to the satisfaction of the department eight of the courses listed below, of which gymnastics and a swimming course must be included: Outdoor Activities, touch football, soccer, softball, tennis (beginners), tennis (advanced), golf (beginners), golf (advanced); Indoor Activities, basketball, volleyball (beginners), volleyball (advanced), swimming (beginners), swimming (advanced), squash (beginners), squash (advanced), gymnastics. Mem-

bers of winter intercollegiate teams (basketball, swimming, squash and fencing), during both the Freshman and Sophomore years, are excused from gymnastics and swimming, providing they can pass the minimum swimming test. Students showing Life Saving cards will be excused from all swimming requirements. Those students unable to pass the minimum swimming test (50 yards freestyle and 25 yards on the back) will be placed in a beginners' swimming class held during the first and fourth physical education terms, until this requirement is fulfilled.

One credit for physical education attendance is given to members of varsity and freshman intercollegiate teams for each physical education term the sport is in season. Only Freshman and Sophomore year participation in athletics may be credited toward the physical education requirement. Any student dropping or cut from a varsity sport before his physical education requirement is completed must be immediately scheduled into a physical education class.

In each term only three unexcused absences will be allowed. Anyone overcutting classes will be reported to the Dean's Office and required to attend until all requirements have been completed. These terms must be taken consecutively.

PHYSICS

PROFESSORS CONSTANT AND LOCKWOOD, ASSISTANT PROFESSORS KINGSBURY AND LAESTADIUS, AND MR. GRACE

101, 102. *Elementary Physics*. This course is primarily intended for B.A. students. To count as preparation toward advanced work in Physics or Engineering a grade of 80 or better must be obtained. Laboratory. Mr. Laestadius.

121-122. *General Physics, Mechanics, Heat and Sound*. A more detailed and analytical study than Physics 101, 102, and making use of the elementary calculus. Three classroom periods and one laboratory period. Required of Engineering and Physics majors. Prerequisite: Math. 101, 102 or registration in Math. 101, 102. Mr. Kingsbury, Mr. Grace.

221-222. *General Physics. Electricity and Optics*. A continuation of Physics 121-122. Three classroom periods and one laboratory period. Prerequisites: Physics 121-122 with a grade of 70, Math. 201, 202 or registration in it, or permission of the instructor. Mr. Constant, Mr. Kingsbury.

301. *Introduction to Theoretical Physics*. Analytical mechanics; vector analysis; statics and dynamics of particles and rigid bodies; Lagrange's and Hamilton's equations. Emphasis is placed on the fundamental hypotheses ("laws") upon which physical theory is based; with the aid of analysis these fundamental principles are expressed in various mathematical forms and are applied to specific problems. The course is designed to provide a broad foundation for subsequent specialized graduate work. Prerequisites: Math. 201, 202, Physics 221-222, or permission of instructor. Mr. Constant.

302. *Introduction to Theoretical Physics*. Elastic media; elastic waves and sound; fluid dynamics; heat flow; thermodynamics; classical and quantum statistics. Prerequisite: Physics 301. Mr. Constant.

[303, 304. *Recent Developments in Physics*.] An introductory course in modern physics covering topics such as the particles of modern physics, photoelectric and thermionic effects, quantum theory, atomic and molecular spectra, X-rays, nuclear physics, and cosmic rays. Prerequisite: Physics 221-222, or permission of instructor. Offered in alternate years, including 1952-53. Mr. Constant.

[305. *Physical Optics*.] An intermediate course considering the phenomena of interference, diffraction, and polarization of light. Interferometers and spectrographs will be used in the laboratory. Two classroom periods and one laboratory period. Prerequisite: Physics 221-222 and Math. 201, 202, each with grade of 70. Offered on demand.

[306. *Introduction to Quantum Mechanics*.] The physical basis of quantum mechanics. The Schrödinger wave equation; energy levels; collision theory; approximation methods. Three classroom periods. Prerequisite: Physics 301. Offered alternate years, including 1952-53. Mr. Kingsbury.

307, 308. *Electron Tubes and Circuits*. Circuit analysis, characteristics of tubes, amplifiers, oscillators, detectors, transmitting and receiving systems, introduction to high frequency phenomena. Two lectures and one laboratory period. Prerequisite: Physics 221-222. Offered in alternate years, including 1953-54. Mr. Kingsbury.

309, 310. *Advanced Laboratory Physics*. Advanced experiments, or a research project leading to a thesis. Designed as preparation for subsequent graduate work. One consultation period and equivalent of two laboratory periods a week. Prerequisite: Physics 221-222. Physics staff.

311, 312. *Applied Electricity*. Two lectures a week on the fundamentals of electromagnetism, theory and operation of d.c. and a.c. machinery. One two-hour laboratory. Mr. Lockwood.

[401. *Advanced Electricity*.] Essentially a continuation of Physics 301, 302 in method of approach to the funda-

mentals of electrostatics, magnetostatics, and electrodynamics, leading to the development of Maxwell's electromagnetic equations. Prerequisite: Physics 301, 302 or registration in Physics 301. Offered alternate years, including 1952-53. Mr. Kingsbury.

PSYCHOLOGY

A Section of the Department of Education and Psychology

MR. SOUERWINE, MR. CASSIDY, AND DR. MORRIS

141. *Introduction to General Psychology*. The study of human behavior, covering the topics of learning, motivation, perception, personality, and social processes. In order that the student may become familiar with research in this area, each student will participate as a subject in a maximum of two short experiments. Prerequisite for all other courses in Psychology except 369. Mr. Souerwine, Mr. Cassidy.

252. *Social Psychology*. The study of the development of social motives and attitudes, the structure and function of groups, behavior in groups, and methodology in social research. Specific social processes discussed are leadership, public opinion, propaganda, prejudice, and international tensions. Prerequisite: Psychology 141. Mr. Souerwine.

254. *Psychology of Abnormal People*. A study of personality, both normal and abnormal, with emphasis on their resemblances. The dynamics of behavior and a comparison of the normal, neurotic, and psychotic personalities constitute the major portion of study in this course. Prerequisite: Psychology 141. Mr. Souerwine.

255. *Applied Psychology: Psychology in Business and Industry*. Psychological principles in the selection and placement of personnel, in the management and supervision and training of personnel, and in the distribution of goods. Selection tests, the interview, training procedures, industrial psychology, ad-

vertising. Prerequisite: Psychology 141. Mr. Souerwine.

341-342. *Experimental Psychology*. A study of research methods used in the investigation of human behavior with a stress on experimental techniques. The first part of the course stresses statistics as a method of analyzing research data in such areas as learning, perception and motivation. Near the end of the course, students have the opportunity to work on their own individual research projects. A rat laboratory is provided for those who wish to do research in rat psychology. One classroom period and two laboratory periods. Prerequisite: Psychology 141. Mr. Cassidy.

351. *Marriage and the Family*. A study of the family as a social institution and the manner in which this institution attempts to meet the psychological and social needs of each family member. Prerequisite: Psychology 141 and Junior or Senior standing. Mr. Cassidy.

354. *Psychology of Personality*. Determinants and structure of personality, theory, and methodology of personality research. Prerequisite: Psychology 141. Mr. Cassidy.

365. *Developmental Psychology*. Same as Education 373.

366. *Educational Psychology and the Learning Process*. Same as Education 374.

369. *Physical Anthropology*. A study of man's biological place in nature. The record of fossil man and artifacts

through Paleolithic, Mesolithic, and Neolithic, including a review of man's achievements in prehistoric time. Origin, development, distribution, and classification of the races of mankind, with emphasis upon current genetic discoveries. Open to Sophomores, Juniors, and Seniors. Mr. Morris.

370. *Cultural Anthropology*. The anthropologist's view of the nature and origin of language; the nature, origin, and processes of culture from anticipations among the primates other than man to the rise of modern civilizations, including a comparative study of outstanding sociological systems from Hegel and Comte to Kroeber and Sorokin, as these systems reflect the nature of cul-

ture, its processes and patterns. It is desirable that students offer Psychology 141 as a prerequisite. Open to Sophomores, Juniors, and Seniors. Mr. Morris.

441-442. *Advanced General Psychology Seminar*. A theoretical approach to the topics of learning, motivation, and perception. Special topics of interest to the group are studied at the end of the year. Prerequisite: Psychology 341-342 and the permission of the instructor. Mr. Souerwine.

[451-452. *Seminar*.] Will consider different topics from year to year. May be given either or both semesters, according to student demand. Prerequisite: permission of the instructor.

GENERAL READING COURSE

Reading and reports on individually chosen classics of world literatures, science, and art. An elective for Juniors and Seniors whose work has averaged

80 or better. Cannot be counted for required work in any department. No class meetings. Mr. Costello, Mr. Adams.

RELIGION

ASSISTANT PROFESSOR O'GRADY AND DR. GOETCHIUS

101-102. *The Jewish-Christian Sources of Western Culture*. An introduction to the Jewish-Christian tradition through study of the Old Testament, the New Testament, and early post-Biblical Christian literature. Elective for all classes. Mr. Goetchius.

201. *A Survey of Christian Thought*. A consideration in modern terms of such central doctrines as God, Man and his sin, the person and work of Christ, Church, Christian practice, and Salvation, and their relevance to contemporary life and problems. Christmas Term. Elective for Sophomores, Juniors, and Seniors. Mr. O'Grady.

202. *A Survey of Christian Ethics*. The basic principles of Christian conduct, and their application to such contempo-

rary problems as war and peace, politics, economics, inter-group relations, alcohol, sex and marriage, and personal development. Trinity Term. Elective for Sophomores, Juniors, and Seniors. Mr. O'Grady.

303. *History of Religions*. (Same as Philosophy 307.) For those who have taken one half course in Religion or Philosophy, or by permission of the Instructor. (3 semester hours credit.) Mr. Goetchius.

304. *Philosophy of Religion*. (Same as Philosophy 308) For those who have taken one half course in Religion or Philosophy, or by permission of the Instructor. (3 semester hours credit.) Mr. Goetchius.

ROMANCE LANGUAGES

PROFESSOR NAYLOR, ASSOCIATE PROFESSORS ANDRIAN AND WATERMAN,
ASSISTANT PROFESSOR WRIGHT, MR. LEAVITT, AND MR. CAMPO

French

101-102. *Elementary Course*. Designed for the student beginning French in college. Three hours of classroom work supplemented by two hours of laboratory in which students will be trained in the accurate pronunciation of the language and aural comprehension. Eight semester hours credit. Mr. Naylor, Mr. Waterman, and Mr. Campo.

111-112. *Intermediate Course*. Elective for those who have taken one year of college French or who are credited with two units of French at entrance. Readings in modern and classical French authors; review of French grammar; oral and aural practice. Three hours of classroom work supplemented by two hours of laboratory in which students will be trained in the accurate pronunciation of the language and in aural comprehension. Eight semester hours credit. Mr. Wright, Mr. Leavitt, and Mr. Campo.

211. *Survey of French Literature from the Renaissance through the Eighteenth Century*. Elective for those who have taken French 111-112 in college, or who are credited with three units of French at entrance. The origins and development of the French Classical Period; the Age of Enlightenment. Mr. Naylor, Mr. Waterman, and Mr. Wright.

212. *Survey of French Literature from the Revolution through 1950*. Same prerequisites as for French 211. The principal literary movements in France during the Nineteenth Century, with emphasis on Romanticism and the emergence of Realism and Naturalism, and the Symbolists. Mr. Naylor, Mr. Waterman, Mr. Wright.

213. *Advanced French Composition and Conversation*. Elective for those who have completed French 111-112 or who are credited with three units of

French at entrance. This half-year course is designed to develop facility in writing French, accuracy of pronunciation, and conversational ability. Mr. Waterman.

214. *Advanced French Conversation and Composition*. Same prerequisites as for French 213. This half-year course, conducted in French, will stress accuracy in pronunciation and aural comprehension; students will also be required to make short written and oral reports on assigned topics. Mr. Naylor.

301. *Seventeenth Century Drama*. Same prerequisites as for French 302. Dramatic theory in the Classical Period in France; intensive study of plays by Corneille, Racine, and Molière. Mr. Andrian.

302. *Seventeenth Century Prose*. Elective for those who have completed French 211 and 212 with a grade of 70 or better, or with consent of instructor. An intensive study of such important authors as Descartes, Pascal, Mme. de Sévigné, and La Rochefoucauld. Mr. Leavitt.

311. *The Eighteenth Century Novel*. Elective for those who have completed French 211 and 212 with a grade of 70 or better, or with consent of instructor. The development of the French novel from LeSage to and through Bernardin de Saint-Pierre, with especial emphasis on Rousseau. Mr. Naylor.

312. *The Eighteenth Century French Theatre*. Same prerequisites as for French 311. An intensive study of the theatre in France from the death of Molière through the French Revolution. Mr. Waterman.

[321. *French Literature of the Nineteenth Century*.] Elective for those who have completed French 211 and 212 with a grade of 70 or better, or with the

consent of the instructor. Intensive study of Romanticism in France. Elective for 1954-55.

[322. *French Literature of the Nineteenth Century.*] Same prerequisites as for French 321. Intensive study of Realism, Naturalism, Symbolism. Elective in 1954-55.

[331. *Twentieth Century French Literature.*] Elective for those who have completed French 211 and 212 with a grade of 70 or better, or with the consent of the instructor. The main developments in modern poetry and an intensive study of the novel up to and including Proust. Elective in 1954-55. Mr. Waterman.

[332. *Twentieth Century French Lit-*

erature.] Same prerequisites as for French 331. Modern trends in the theatre and continuation of the study of the novel through Existentialism. Elective in 1954-55. Mr. Waterman.

401. *French Honors Reading Course.* Elective for those who have completed, with a grade of 70 or better, six semester hours in a French literature course beyond French 211 and 212. Written reports on individually chosen classics of French literature. No class meetings. Mr. Naylor.

402. *French Honors Reading Course.* Same prerequisites as for French 401. A continuation of French 401. Mr. Naylor.

Italian

101-102. *Elementary Course.* Designed for the student beginning Italian in college. Three hours of classroom laboratory in which students will be trained in the accurate pronunciation of the language and in aural comprehension. Eight semester hours credit. Mr. Waterman.

111-112. *Intermediate Course.* Elective for those who have taken Italian 101-102 or for those who are credited with two units of Italian at entrance. Readings in modern Italian authors and, during the Trinity Term, selections from Dante; review of the essential principles of the grammar of modern Italian. Three hours of classroom work and two

hours of laboratory in which students will be trained in the accurate pronunciation of the language and aural comprehension. Eight semester hours credit. Mr. Campo.

[211. *Survey of Italian Literature.*] Elective for those who have completed Italian 111-112 or who have offered three units of Italian at entrance. Dante, Petrarch, Boccaccio. Elective in 1954-55.

[212. *Survey of Italian Literature.*] Same prerequisites as for Italian 211. A study of principal Italian authors from the beginning of the Fifteenth Century to and including Benedetto Croce. Elective in 1954-55. Mr. Naylor.

Spanish

101-102. *Elementary Course.* Designed for the student beginning Spanish in college. Three hours of classroom work supplemented by two hours of laboratory in which students will be trained in the accurate pronunciation of the language and aural comprehension. Eight semester hours credit. Mr. Andrian, Mr. Leavitt, and Mr. Campo.

111-112. *Intermediate Course.* Elective for those who have taken Spanish

101-102 in college or are credited with two units of Spanish at entrance. Readings in modern and Classical authors; review of grammar; oral and aural practice. Three hours of classroom work supplemented by two hours of laboratory in which students will be trained in the accurate pronunciation of the language and in aural comprehension. Eight semester hours credit. Mr. Wright, Mr. Leavitt, Mr. Campo.

211. *Survey of Spanish Literature through the Siglo de Oro.* Elective for those who have completed Spanish 111-112 in college or who are credited with three units of Spanish at entrance. A study and analysis of principal works and the historical and cultural background of this period. Mr. Andrian, Mr. Leavitt.

212. *Survey of Spanish Literature of the Nineteenth and Twentieth Centuries.* Same prerequisites as for Spanish 211. A study and analysis of principal works and the historical and cultural background of this period. Mr. Andrian, Mr. Wright.

213. *Advanced Spanish Composition.* Elective for those who have completed Spanish 111-112 or who are credited with three units of Spanish at entrance. This course is designed to develop facility and accuracy in writing Spanish. Mr. Andrian.

214. *Advanced Spanish Conversation.* Same prerequisites as for Spanish 213. This course is designed to develop accuracy in pronunciation and the ability to converse in idiomatic Spanish. Mr. Andrian.

301. *Spanish Literature of the Siglo de Oro.* Elective for those who have completed Spanish 211 and 212 with a grade of 70 or better or with the consent of the instructor. An intensive study of the drama and poetry of the *Siglo de Oro*, against a background of the political and cultural trends of this age. Mr. Wright.

302. *Spanish Literature of the Siglo de Oro.* Same prerequisites as for Spanish 301. This course will study exclusively Cervantes, with emphasis on *Don Quixote*, and its influence on European literature. Mr. Andrian.

[311. *Spanish Literature of the Nineteenth Century.*] Elective for those who have completed Spanish 211 and 212

with a grade of 70 or better or with the consent of the instructor. A study of the origins of Romanticism in Spain, with a thorough analysis of the drama and poetry. Elective in 1954-55. Mr. Andrian.

[312. *Spanish Literature of the Nineteenth Century.*] Same prerequisites as for Spanish 311. A study of the Regionalistic novel and its influence on Spanish society and customs, with emphasis on the works of Pérez Galdós. Elective in 1954-55. Mr. Andrian.

[321. *Spanish Literature of the Twentieth Century.*] Elective for those who have completed Spanish 211 and 212 with a grade of 70 or better or with the consent of the instructor. A study of contemporary Spain as seen in the works of the Generation of '98. Elective in 1955-56. Mr. Andrian.

[322. *Spanish Literature of the Twentieth Century.*] Same prerequisites as for Spanish 321. An intensive study of modern Spanish drama and poetry, stressing the works of Benavente and García Lorca, and the prose writings of Unamuno. Elective in 1955-56. Mr. Andrian.

401. *Spanish Honors Reading Course.* Elective for those who have completed, with a grade of 70 or better, six semester hours in a Spanish literature course beyond Spanish 211 and 212. Written and oral reports on a wide selection of Spanish authors and works from the earliest times through the *Siglo de Oro*. No class meetings. Mr. Andrian.

402. *Spanish Honors Reading Course.* Same prerequisites as for Spanish 401. Written and oral reports on a wide selection of Spanish authors and works from the Eighteenth Century through the present time. No class meetings. Mr. Andrian.

Russian

101-102. Instruction in the fundamental grammatical principles and the reading of simple prose. Drill in pronunci-

ation. For beginners. Mr. Hughes, Mr. Leavitt.

Prizes

ALUMNI PRIZES IN ENGLISH COMPOSITION of \$75, \$50, and \$25 respectively from the income of a fund contributed by the Alumni, are awarded to the students who present the best essays on subjects approved by the Department of English. Essays must be submitted to the Professor of English on or before May 1, 1954. Essays prepared in any regular course of study may be offered in competition, provided that such compositions are recommended for this contest by the instructor in whose department they are written.

THE F. A. BROWN PRIZE, founded in 1897, by Mrs. Martha W. Brown of Hartford in memory of her husband, is awarded to the member of the Senior Class who writes and pronounces an English oration in the best manner. Two prizes of \$100 and \$25 are awarded in annual competition.

THE FERGUSON PRIZES IN HISTORY AND POLITICAL SCIENCE, one of \$75 and one of \$50, founded in 1890 by the late Professor Henry Ferguson of the Class of 1868, are offered to Seniors and Juniors for the two best essays on topics selected by the contestants that receive the approval of the Department of Economics. The essays must be typewritten and submitted to the head of the Economics Department on or before the first day of May, 1954. No award will be made except for excellent work.

THE FRATERNITY SCHOLARSHIP CUP is awarded annually by the Trinity Alumni Club of Hartford to the fraternity chapter attaining the highest rank in scholarship. The name of the chapter receiving the award is engraved on the Cup.

THE GOODWIN GREEK PRIZES, one of \$105 and one of \$70, founded in 1884 by the late Mrs. James Goodwin of Hartford, are offered to students in Greek who attain the highest grade of excellence in the courses taken and in a special examination. A student who has received a prize is not again eligible to compete for the same prize. The winners also are awarded an original Athenian silver coin, the famous fifth-century Athena and owl tetradrachm coined from the silver of Laureum. The examination to be held on the thirtieth day of April, 1954 is designed to test the student's general knowledge of Greek including composition and sight translation such as he may properly be expected to acquire from reading in connection with courses. No prize will be awarded unless the work offered is excellent.

THE PHI GAMMA DELTA PRIZES IN MATHEMATICS are offered to Freshmen taking Mathematics 101, 102 and to Sophomores taking Mathematics 201, 202. In each case, the first prize is \$50, the second prize is \$30, and the third prize is \$20. These prizes are from the income of a fund established in 1923, and increased in 1931 by the Alumni authorities of the local chapter of the Fraternity of Phi Gamma Delta.

THE MILES A. TUTTLE PRIZE of \$50 was founded in 1859 by the late Miles A. Tuttle, Esq., of Hartford. It is awarded to the member of the Senior Class who writes the best essay on "What Should Be the Policy of the United States Towards Japan?" The essays must be submitted to the Chairman of the Department of History on or before the first day of May, 1954. No award will be made except for excellent work.

THE RUEL CROMPTON TUTTLE PRIZES were established in 1941 by the bequest of Ruel Crompton Tuttle of Windsor, Class of 1889, to be awarded annually by the head of the English Department to the two students who are deemed by him respectively the best and second-best scholars in the English Department from the

Junior Class; the first prize to be two-thirds of the income (\$300) and the second prize to be one-third of the income (\$150). The terms of award rest solely on the judgment and discretion of the head of the English Department. Students interested in the prizes should confer with the head of the English Department.

THE FRANK W. WHITLOCK PRIZES of \$30 and \$20 were founded by a legacy of Mrs. Lucy C. Whitlock, of Great Barrington, Massachusetts, and by her direction bear the name of her son who was a graduate in the Class of 1870. Students selected by a preliminary trial deliver their speeches in public in competition for the Whitlock Prizes. In determining the award, regard will be had both to composition and delivery. Students should consult the instructor of Public Speaking for further details.

THE PHI GAMMA MU SCHOLARSHIP AWARD, authorized by the National Board of Trustees of the Society, is given by the Connecticut Alpha Chapter in the interests of the promotion of scholarship in the social sciences on the Trinity campus. The award is made to one of the top five ranking seniors who have pursued a major in one of the social sciences; additional considerations are that he be outstanding in scholarship and ability and that he shall have pursued a program of studies indicating breadth in the work of the social sciences.

THE GEORGE J. MEAD PRIZES are awarded under the terms of a bequest from the late Mr. Mead, Hon. 1937, for accomplishment in the fields of History, Government, and Economics. In 1952, prizes in the form of selection of books were awarded to the senior Government major having the highest average in Government courses, and to the student who had served as President of the Political Science Club. It is anticipated that the Mead Prizes will be expanded in number and in amount during the next several years.

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS PRIZE is awarded by the Hartford Chapter of the American Society of Mechanical Engineers to the senior who makes the highest record in the Engineering Department.

THE AMERICAN HELLENIC EDUCATIONAL PROGRESSIVE ASSOCIATION PRIZES were established in 1950 by the Nathan Hale Chapter of the Order in memory of the late Dr. Harold C. Jaquith, '12, Trinity Provost from 1938-43 and former national secretary of Near East Relief. The prizes of \$65 and \$35 are awarded to the two students having the highest marks in the first year of Greek course and in a special examination to be set on the first day of May, 1954.

THE WALL STREET JOURNAL STUDENT ACHIEVEMENT AWARD is awarded each year to a senior who is judged by the Department of Economics to have done the most outstanding work in the field of economics of any member of his class during his college career. The award consists of an individually engraved medal and a year's free subscription to the Wall Street Journal.

THE RONALD H. FERGUSON PRIZES were established in 1951 in memory of Mr. Ronald H. Ferguson, class of 1922, to be awarded annually on Honors Day by the Head of the Department of Romance Languages to two seniors majoring in French; the first prize to be \$300; the second prize \$150. Students interested in the prizes should confer with the Head of the Department of Romance Languages.

THE MARY LOUISE GUERTIN ACTUARIAL AWARD was established in 1952 by Alfred N. Guertin, '22, in memory of his mother. The award of \$100 will be made annually to the senior selected by three Fellows of the Society of Actuaries, named by the College, as having personal qualities indicative of future executive capacity and leadership in the actuarial profession. The student must also have completed

satisfactorily the first two parts of the preliminary examinations for associateship in the Society of Actuaries or their equivalent, and have acquired scholarship grades in mathematics, English, and economics.

Athletic Prizes

GEORGE SHELDON MCCOOK TROPHY, the gift of Professor and Mrs. John James McCook in 1902, is awarded annually by the Athletic Association of the College, through the Committee of the Faculty on Athletics and the Captains and Managers of the team, to a student in the Senior Class, who must be in good scholastic standing, on the basis of distinction in athletics. In determining the award, diligence and conscientiousness in the observance of all rules of drill, training, and discipline are taken into account, as well as manliness, courtesy, self-control, uprightness, and honor at all times, especially in athletic sports and contests. The name of the student receiving the award is attached to the trophy on a silver bar bearing his name and class date. He receives as his permanent property a bronze medal. This trophy is the athletic distinction most coveted in the College.

THE MEARS PRIZES of \$25 each were established under the will of Dr. J. Ewing Mears of the Class of 1858. They are awarded by the Faculty on the recommendation of the head of the Department of Physical Education. The first prize is awarded to the member of the Senior Class who writes the best essay on "The Future of College Athletics." The second prize is awarded to the member of the Junior Class who writes the best essay on "The Place of Physical Education in the College Curriculum." No student is considered eligible to compete for these prizes who has not completed satisfactorily the requirements of the College in Physical Education. No prize is awarded in either class unless two or more members are competing. The essays must be submitted to the President on or before May 1, 1954.

THE "1935" AWARD is presented annually by the Class of 1935 to the player who has been of "most value" to the football team. The qualifications for this award are leadership, sportsmanship, team spirit, loyalty, and love of the game. A major trophy is kept in the College trophy case, and a replica is given to the recipient on Class Day.

THE ARTHUR P. R. WADLUND BASKETBALL AWARD, awarded annually to the most valuable player on the varsity team, was donated by V. Paul Trigg, Class of 1936 in memory of Professor Arthur P. R. Wadlund, Jarvis Professor of Physics. A major trophy is kept in the College trophy room and a replica is presented each year to the winner.

THE COACH'S FOUL SHOOTING TROPHY is awarded annually by the varsity basketball coach to the member of the team who has made the highest foul shooting average in varsity contests.

THE DAN WEBSTER BASEBALL AWARD is awarded annually to the player who has been of "most value" to the baseball team. The major trophy is kept in the College Trophy Case and a replica is presented to the award winner.

THE JOHN SWEET BATTING AWARD is given annually to the member of the varsity baseball team having the highest batting average for the season.

THE JOHN E. SLOWIK SWIMMING AWARD is made annually in memory of John E. Slowik, Class of 1939, Captain in the U. S. Army Air Corps who was killed in action over Germany. The award is to be made to the most valuable member of the Varsity Swimming Team considering ability, conscientiousness in the observance

of all rules of practice and training, and qualities of leadership. The first award was made in 1950.

THE ROBERT S. MORRIS TRACK TROPHY, established in 1953, is awarded annually for the most valuable member of the varsity track team. The qualifications for this award are outstanding performance, attitude and sportsmanship. The trophy will be kept in the College trophy case and a replica will be given each year to the winner.

THE PETER S. FISH SOCCER TROPHY is presented annually to the Senior on the Soccer team who best fulfills the following qualifications: (1) makes the greatest contributions to the team's success and (2) demonstrates gentlemanly conduct, good sportsmanship, and inspirational leadership. The trophy is kept in the College trophy case.

THE HAROLD R. SHETTER SOCCER TROPHY, established in 1950 in memory of Harold R. Shetter, Coach of Soccer 1948-50, is awarded annually to the member of the Varsity Soccer Squad who has shown the greatest improvement as a player over the previous year and who has also demonstrated qualities of team spirit and sportsmanship.

THE HORACE G. CLEVELAND, III, TENNIS MEDAL was given by Sergeant and Mrs. William A. Merchant in memory of Horace G. Cleveland, III, Class of '42, 1st Lt. U. S. M. C. R., who was killed in action in the South Pacific. A medal is awarded each year to the tennis player who best combines qualities of sportsmanship and leadership with tennis excellence.

THE NEWTON C. BRAINARD SQUASH RACQUET AWARD is made annually to the winner of the college squash racquet championship tournament. The winner's name is inscribed on a bronze plaque on the wall of the squash racquet section of the Trowbridge Memorial Building.

THE JOHN A. MASON AWARD, established in 1953, is presented to that member of the varsity squash racquet squad showing the greatest improvement during the year.

THE LEWIS M. WALKER CUP is awarded annually in memory of Lewis M. Walker, a keen follower of sports who sent two sons to Trinity College. A large trophy is awarded the winner of the annual intra-mural golf championship, and a smaller trophy is awarded the player with the lowest medal score in the tournament.

Scholarships

Freshmen holding scholarships must be passing in all their work with an average grade of at least seventy at the end of a term. Sophomores and Juniors must pass in five courses with an average of seventy-five. In order to be eligible to apply for a scholarship for his Senior year, a student must at the end of his Junior year be passing with an average of at least eighty in five courses.

In general, scholarships are awarded only on evidence of financial need and to unusually deserving cases. A careful selection is made at stated intervals by the Scholarship Committee. All applications for scholarships must be made on the blank forms provided for that purpose and, in the case of students in college, must be submitted on or before May 1. Freshman applications must be completed by March 15.

COMPETITIVE SCHOLARSHIPS

Certain scholarships are awarded on the basis of competition:

THE HOLLAND SCHOLARSHIPS were established by Mrs. Florence J. Holland of Hartford, daughter of Bishop Brownell, the founder of the College, in memory of her husband, Thomas Holland. Three tuition scholarships are awarded annually to the highest ranking scholars in the freshman, sophomore and junior classes on the basis of final grades in June.

THE GOODWIN-HOADLEY SCHOLARSHIPS were established by Daniel Goodwin and George E. Hoadley. One is awarded each year to the student of the highest scholastic rank from the public schools of Hartford who enters Trinity College and who is not receiving other scholarship aid; the nomination to these scholarships is vested in the Board of Education.

ILLINOIS SCHOLARSHIPS

A special fund established in 1947 provides scholarships with a four year value of up to \$6,000 each for young men who reside in the State of Illinois. They are awarded on the basis of intellectual distinction, character, leadership ability, and need. There are 32 Illinois Scholars now at Trinity College. It is expected that ten new Illinois Scholarships will be awarded to Freshmen entering Trinity in September 1954.

FERGUSON-MACGREGOR SCHOLARSHIPS

THE FERGUSON-MACGREGOR MEMORIAL SCHOLARSHIPS are given by the Hartford Electric Light Company in honor of the late Samuel Ferguson, '96, former President of the Company and Trustee of Trinity, and the late Lt. Rodney J. MacGregor, a company employee killed during World War II. Four scholarships, each paying \$600 a year, are maintained with one awarded each year. Preference is given to employees, sons of employees, and sons of employees who died in company service. If no applicant from the preferred groups qualifies for admission, then the award is made to a qualified resident of the area served by the Hartford Electric Light Company.

SEABURY SCHOLARSHIPS

THE BISHOP SAMUEL SEABURY SCHOLARSHIPS for Episcopal students are maintained by annual gifts from various Episcopal parishes. The scholarships are open to members of the Protestant Episcopal Church. The Christ Church Cathedral (Hartford) Scholarship is awarded with preference to members of the Cathedral parish and of the Diocese of Connecticut. Other scholarships now in effect are supported by Trinity Church, New Haven and St. Paul's Church, Riverside, Connecticut; Church of the Ascension, Westminster and St. John's Church, Glyndon, Maryland; St. Peter's Church, Beverly, Emmanuel Church, Braintree and St. John the Evangelist, Hingham, Massachusetts; Christ Church, Manhasset, St. Thomas Church, New York City, Church of the Incarnation, New York City, Church of the Holy Trinity, New York City, Church of the Heavenly Rest and Beloved Disciple, New York City, All Saints Church, Bayside and St. Peter's Church, Peekskill, New York; St. Mark's Church, Philadelphia, Pennsylvania.

SPECIAL SCHOLARSHIPS

ARCHIBALD CODMAN—given by Miss Catherine A. Codman, the Rt. Rev. Robert Codman, Edmund D. Codman. Appointments made annually by the Bishop of Maine.

MARGARET HALLDEN—given by Mrs. Karl W. Hallden of Thomaston, Connecticut, to be awarded to a graduate of Thomaston High School.

RALPH KOLODNEY—given by Ralph Kolodney of Hartford.

HENRY PERKINS—given by Mrs. Susan S. Clark of Hartford. Nominations made by the Bishop of Connecticut.

TRINITY CHURCH (NEW YORK CITY)—given by Trinity Parish, New York. Nominations made by the Rector, Wardens, and Vestry of Trinity Church, New York.

GENERAL SCHOLARSHIPS

The list of scholarships open to all students is given below:

ARMSTRONG—given by Walker Breckinridge Armstrong, '33, of Darien, Connecticut.

BECKWITH—given by the Rev. I. T. Beckwith of Atlantic City.

BENNETT—given by Trustees and friends in memory of Charles J. Bennett of Hartford.

LUCY M. BRAINERD—given by Lyman B. Brainerd, '30, of Hartford, in memory of his mother.

BRONSON—given by Miss Susan Bronson of Watertown, Conn.

CARPENTER—given by members of the family of Frederic Walton Carpenter and others.

COLE—given by Richard H. Cole of Hartford.

COLLEGIATE—given by Philadelphia Alumni, Miss Edith M. Howard of Hartford, and others.

CONVERSE—given by Edmund C. Converse of Greenwich.

LEMUEL J. CURTIS—given by Lemuel J. Curtis of Meriden.

CHARLES F. DANIELS—given by Mrs. Mary C. Daniels of Litchfield.

DILLON—given by Edward H. Dillon and Catherine H. Dillon of Hartford.

DOUGLAS—given by the Rev. George William Douglas of the Class of 1871.

EASTERBY—given by Charles T. Easterby, '16, of Philadelphia, Pa.

ELLIS—given by Leonard A. Ellis of the Class of 1898.

ELTON—given by James S. Elton and John P. Elton of the Class of 1888.

S. P. AND BARR FERREE—given by Mrs. Annie A. Ferree of Rosemont, Pa.

THOMAS FISHER—given by estate of Thomas Fisher.

EDWARD OCTAVIUS FLAGG, D.D.—given by Miss Sarah Peters Flagg of Wood-cliff Lake, N. J.

ELBERT H. GARY—given by Elbert H. Gary of Jericho, New York.

JAMES HARDIN GEORGE—given by Jane Fitch George of Newtown.

HALSEY—given by Jeremiah Halsey of Norwich.

GEORGE KNEELAND—given by Miss Alice Taintor and Miss Adele Kneeland of Hartford.

GEORGE SHELDON MCCOOK—given by the family of George Shelton McCook of the Class of 1897.

MCLEAN—given by Mrs. George Payne McLean of Simsbury.

CAROLINE SIDNEY MEARS—given by Dr. J. Ewing Mears of Philadelphia.

REMSEN BRINCKERHOFF OGILBY—given by Messrs. Carlos B. Clark, Hon. '43, James B. Webber, Joseph L. Webber, Richard H. Webber, Oscar Webber, and James B. Webber, Jr., '34. Available for scholarships or loans.

DWIGHT WHITEFIELD PARDEE—given by Miss Cora Upson Pardee of Hartford.

RETURNED SCHOLARSHIP FUND—given by Harold L. Smith, '23, of New York and George H. Cohen, '11, and Naaman Cohen, '13, of Hartford.

MARIA L. RIPLEY—given by Miss Maria L. Ripley of Hartford.

EDWIN P. TAYLOR, III—given by members and friends of the family of Edwin P. Taylor, III, Class of 1946.

MATTHEW GEORGE THOMPSON—bequeathed by the Rev. Matthew George Thompson, Hon. '20 of Greenwich.

WILLIAM TOPHAM—given by Mrs. Margaret McComb Topham of New York.

MARY HOWARD WILLIAMS—given by Augusta Hart Williams of Hartford.

WISE—given by Isidore Wise, Hon. '49, of Hartford. Available for scholarships or general purposes.

WOODWARD—given by Charles G. Woodward, '98, of Hartford, in memory of his grandfather, Charles Smith; his father, P. Henry Woodward; and his mother, Mary S. Woodward.

CHARLES G. WOODWARD—given by Charles G. Woodward, '98, of Hartford.

SCHOLARSHIPS FOR STUDENTS FOR THE MINISTRY

The following scholarships are awarded only to students who are preparing to enter the ministry of the Protestant Episcopal Church in the United States of America. Applicants for these scholarships will apply on the usual forms, and the same general rules will apply to them as govern the award of other scholarships.

THOMAS BACKUS—given by the Rev. Stephen Jewett of New Haven.

BURHANS—given by the Rev. Daniel Burhans of Newtown.

JOHN DAY AND SAMUEL MOREHEAD FERGUSON—given by Mrs. Jennie Taylor Kingsley of New Haven.

GEORGE F. GOODMAN—given by Richard French Goodman of Newtown, New Jersey.

HITCHINGS—given by Rev. Horace B. Hitchings of the Class of 1854.

KIRBY—given by Miss Harriet Kirby of Hartford.

HORATIO N. LAKE—given by Horatio N. Lake of Bethlehem.

TOUCEY—given by the Honorable Isaac Toucey of Hartford.

ISAAC H. TUTTLE—given by the Rev. Isaac H. Tuttle of New York.

NATHAN M. WATERMAN—given by General Nathan Morgan Waterman of Hartford.

STUDENT LOAN FUNDS

ALUMNI SENIOR—Established in 1938 by gifts of the Alumni Association of Trinity College. Amount of fund, \$3,700.

CLINTON JIRAH AND CARRIE HASKINS BACKUS—Established in 1950 by Clinton J. Backus, '09, of Midway City, California. Amount of fund, \$5,500.

MEAD—Established in 1951 by bequest of George J. Mead of Hartford—Interest to be used for loans to students majoring in economics, history, or government. Amount of fund, \$145,000.

NEW ENGLAND SOCIETY OF NEW YORK—Established in 1945 by the New England Society of New York. Amount of fund, \$1,500.

ALUMNI AREA SCHOLARSHIPS

Three local Alumni Associations are authorized by the Trustees of Trinity College to provide scholarships for students of the College with the concurrence of the Scholarship Committee of the Faculty. The average amount awarded in aid in 1952-53 was \$233. Application for such grants should be made to the officers of the alumni organizations concerned and applicants should also fill out and send to those officers a college scholarship application blank. The Scholarship Committee will supply promptly on request the names and addresses of the appropriate officers in any given year. The number of grants given by each alumni organization in 1952-53 was as follows: Hartford, Conn. (16); New York, N. Y. (4); Philadelphia, Pa. (1).

Fellowships

For further information as to conditions of Fellowships and Scholarships, or for further particulars in regard to them, applications should be made to the Dean of the College.

THE H. E. RUSSELL FELLOWSHIPS, endowed originally by a legacy from Henry E. Russell of New York, pay to the holders \$500 each annually. They are awarded annually by vote of the Faculty to members of the graduating class who give evidence of superior ability and who engage to pursue an approved course of non-professional graduate study at Trinity College or at some American or foreign university approved by the Faculty. The incumbents hold the Fellowships for two years each.

THE MARY A. TERRY FELLOWSHIP, endowed by a legacy from Miss Mary A. Terry of Hartford, yields an annual income of about \$1,000. It is awarded annually by the President upon the recommendation of the Faculty to a member of the graduating class who gives evidence of superior ability and who engages to pursue an approved course of graduate study in the arts and sciences at Trinity College or at some other college or university approved by the Faculty. The incumbent holds the Fellowship for one year, and is known as the Mary A. Terry Fellow.

THE W. H. RUSSELL FELLOWSHIP, endowed by a gift of \$10,000 from William H. Russell of Los Angeles, California, pays to the holder about \$500 annually. It is awarded biennially by the Trustees upon recommendation of the Faculty to a member of the graduating class who gives evidence of superior ability and of a desire to continue study after being graduated at Trinity College. The incumbent holds the Fellowship for two years.

Awards for 1952-53

Valedictorian: GORDON HENRY CLEM

Salutatorian: CLAUDE PETER ROTONDO

THE H. E. RUSSELL FELLOW: Lawrence Thomas Brennan (1953-1955)

THE MARY A. TERRY FELLOW: Stuart Cowan Woodruff (1953-1954)

COMPETITIVE SCHOLARSHIPS

HOLLAND SCHOLARS: Marland Lamonte Berdick '53 (1952-53); Stanton Hugh Avitabile '54 (1952-53); Harold Katzman '55 (1952-53; 1953-54); Roger Joseph Harmon '55 (1953-54); John LeRoy Fox '56 (1953-54).

GOODWIN-HOADLEY: Albert Joseph Casale '56 (1952-53); Robert William Holmstrom, Jr., '56 (1952-53).

GENERAL SCHOLARSHIPS

ARMSTRONG SCHOLAR: Neil Stuart Mutschler

BECKWITH SCHOLARS: Albert David Alexander, Jr.; Ronald George Boss; Winfield Arthur Carlough, Jr.; Richard Thomas Gagne; Robert Huntington Loomis; Frederic Garrett Oberender; Arthur Moberg Wilson; Harold Dilks Wynkoop

BENNETT SCHOLAR: Wesley Winslow Eustis

BRONSON SCHOLAR: Richard Donald Roat, Jr.

CARPENTER SCHOLAR: Benjamin Franklin Rudner

COLE SCHOLAR: George Dewey Waldman

COLLEGIATE SCHOLAR: Robert Putnam Bennett

CONVERSE SCHOLARS: Thomas James Allocco; John Heath Bloodgood; William Aaron Dobrovir; Giles Philip Lecrenier; Frank Marion Lentz, Jr.; Donald George Paris; Felix Louis Sambogna; Howard Jules Sloane; Douglas Ronald Teece

LEMUEL J. CURTIS SCHOLAR: George M. Kramer

CHARLES F. DANIELS SCHOLAR: Herbert Eric Holmquist

DILLON SCHOLARS: John Patrick Gallagher; Raymond Joseph Moylan, Jr.; Eero Raig

DOUGLAS SCHOLAR: Thomas Russell Ainsworth

EASTERBY SCHOLAR: Charles Hirschy Van Lanen

ELLIS SCHOLAR: Frederic Augustus Parsons

ELTON SCHOLARS: John Marshall Barton, Jr.; Mario Donald Cardwell; Roderic Charles Diman; John Walter Nelson; Arthur Samuel Rathbun, Jr.; Albert Laurence Smith, Jr.

S. P. AND BARR FERREE SCHOLAR: Alan Alcott Moses

THOMAS FISHER SCHOLAR: Richard Staunton Howard

EDWARD OCTAVIUS FLAGG SCHOLAR: William Bell Volpe

GARY SCHOLARS: Bernard Joseph Bogoslofski; Umberto Del Mastro; Alan Brian Gancy; Wilbur Jones; Alexander Anderson Mackimmie; Stanley Potter Miller, Jr.; Gordon Norris Robinson; James Frederick Sauvage; Charles John Wrinn

JAMES HARDIN GEORGE SCHOLAR: Claude Peter Rotondo

HALSEY SCHOLARS: Kurt Henry Brenner, Jr.; Frank Stanley Cerveney; Gerald Joseph Flood; Louis Sebastian Piotrowski; Alan Samuel Rosenbaum

GEORGE KNEELAND SCHOLAR: Lawtence Thomas Brennan

GEORGE SHELDON MCCOOK SCHOLAR: Robert Maxwell Handy

MCLEAN SCHOLAR: William Alexander Bruce

MEARS SCHOLAR: William Raymond Whitelaw

OGILBY SCHOLARS: Allyn Aubrey Martin; Ronald Edgar Moss; William Talbot Murray, III; William Ruthven Smith, III; Alden Geer Valentine; William Karl von Allmen

DWIGHT WHITEFIELD PARDEE SCHOLAR: Walter M. L. Brown, Jr.

MARIA L. RIPLEY SCHOLAR: Peter Sheldon McCabe

EDWIN P. TAYLOR, III SCHOLAR: Peter Stretch

MATTHEW GEORGE THOMPSON SCHOLARS: Robert Howard Alexander; Louis Berrone, Jr.; John Theodore Berseth; John Doner Blackford; Nicholas Pompeo Cardwell; Bruno Anthony Chistolini; Carlton David Crosier; Thomas Edgar Fenton, Jr.; David Kenneth Floyd; Eugene Joseph Gallagher; Robert Joseph Gilbooly; Richard Kenneth Hooper; Igor Ilia Islamoff; Richard Stephen Kopp; Charles David Mazurek; John Anthony Mazzarella; William Thomas O'Hara; Edward Johnson Palmer, Jr.; Samuel Eugene Pickett; Joseph Francis Riccardo, Jr.; Alain Rene Roman; Carmelo George Russo; Frederic DeGraw Schuh; James Wayne Shetter; James Michael Streeto; Lewis George Taft

WILLIAM TOPHAM SCHOLAR: Sanford William Scott, Jr.

MARY HOWARD WILLIAMS SCHOLAR: Robert Wakeman Shaw

WISE SCHOLARS: Dwight Anthony Mayer; Bertram Richard Schader; Jay Morton Sivitz; Phillip John Stiles; Robert Toggenburger; Elliott Hayden Valentine

WOODWARD SCHOLARS: Gordon Samuel Bates; Robert Henry Kalinowski; Carl Leibhart Mease; John Dale O'Brien

CHARLES G. WOODWARD SCHOLARS: Bennett Dyke; Richard Lee Marshall; Robert Lawrence Mullaney; Elton Jared Reid; Ronald Frederick Storms; Thomas Katsuhira Sugihara

TRINITY SCHOLARS: Richard Coe Austin; Edmund Bell Blackler; Gordon Henry Clem; George John Cole; William Henry Eastburn; William Goralski; William L. H. Jackson; Louis Rael Magelaner; Raymond Cleo Parrott; Barry Ronald Plotts; Ronald Atley Richardson; Philip Ogden Ritter; Frederick John St. Jean; Frederick Hadlow Searles; Robert Foster Shay; Edward Hartley Smith; Charles Constantine Sticka; Edward Peter Townsend; Matthew Joseph Wallace

SCHOLARSHIPS FOR STUDENTS FOR THE MINISTRY

THOMAS BACKUS SCHOLAR: Donald William Kimmick

FERGUSON SCHOLAR: David Alvah Hoare

GEORGE F. GOODMAN SCHOLAR: Donald Field Burr

HITCHINGS SCHOLAR: Jerald Eugene Hatfield

HORATIO N. LAKE SCHOLARS: David Elliott Johnson; David Stuart Kayner

TOUCEY SCHOLARS: Richard Addison Hennigar; John Edward Holmes, Jr.; Edward Richard McCracken

TUTTLE SCHOLAR: Peter Minert Norman

NATHAN M. WATERMAN SCHOLAR: Robert Walter Colledge

SPECIAL SCHOLARSHIPS

GEORGE EMERSON BEERS SCHOLARS: Claude Peter Rotondo; Gordon Adams West

ARCHIBALD CODMAN SCHOLAR: Norman Joseph Catir, Jr.

FERGUSON-MACGREGOR SCHOLARS: Albert John Barnett; Donald Stanley Knutson; David Dalton Nelson; Henry Vanderburgh

MARGARET HALLDEN SCHOLAR: Joseph Gabriel Kelley

ILLINOIS SCHOLARS: Donald Werner Anderson; Robert Henry Baker, Jr.; Ronald Barlow Clarke; Philip Dodd Craig; Robert Duane Davis; James Edward Detzler; Richard Lee Fleming; Gerald Alfred Fletcher, Jr.; Alfred Thomas Guertin; Roger Joseph Harmon; Edward Charles Jager; Eugene Raymond Karasek; James Allen Leigh; Edgar Lindenmeyer; Harold Marshall Morrison; David Allen Roberts; John Tracy Snow, Jr.; Paul Peter Terry; Thomas Robert Tucker; John Morrison Van Deventer; Peter Kay Windesheim; Hugh Adams Zimmerman

RALPH KOLODNEY SCHOLAR: Ronald Edward McGowan

HENRY PERKINS SCHOLARS: David Hewson; David Kittle Kennedy; Frederick Ralph Potter

SEABURY SCHOLAR: James A. McClure Hickin

SEABURY SCHOLARS OF CHRIST CHURCH CATHEDRAL: Charles Allen Even, Jr.; John Piper

TRINITY CHURCH (NEW YORK CITY) SCHOLARS: John Stephen Gleason; John Donald Limpitlaw; Charles Peter Smith; Peter Stretch

MOAK-TRINITY SCHOLAR: Thomas Ruddell Livingston

HONORS AND PRIZES

THE JAMES GOODWIN GREEK PRIZES: *First Prize*: Robert Boyd Hibbs. *Second Prize*: David Alvah Hoare. *Honorable mention*: John Edward Holmes.

THE AMERICAN HELLENIC PROGRESSIVE ASSOCIATION GREEK PRIZES: *First Prize*: Roger Joseph Harmon. *Second Prize*: Peter Minert Norman.

THE ALUMNI PRIZES IN ENGLISH COMPOSITION: *First Prize*: Jacque Vaughn Hopkins. *Second Prize*: Donald King Bissonnette. *Third Prize*: John Sinclair Brims.

THE RUEL CROMPTON TUTTLE PRIZES: *First Prize*: Roger Joseph Harmon. *Second Prize*: John Robert Burrill.

THE FRANK W. WHITLOCK PRIZES—PUBLIC SPEAKING: *First Prize*: Richard Perry Blye. *Second Prize*: Thomas Russell Ainsworth and Stanley Lester Newman.

THE F. A. BROWN PRIZES—ENGLISH ORATION: *First Prize*: Ralph Davis. *Second Prize*: Marland Lamonte Berdick.

THE PHI GAMMA DELTA PRIZES IN MATHEMATICS: Freshmen: *First Prize*: David Arthur Ginns. *Second Prize*: John Piper. *Third Prize*: Alfred Thomas Guertin, Joseph Gabriel Kelley. Sophomores: *First Prize*: Not awarded. *Second Prize*: Joseph John Ettl. *Third Prize*: Not awarded.

THE PHI GAMMA MU SCHOLARSHIP AWARD: Gordon Henry Clem.

THE FERGUSON PRIZE IN HISTORY AND POLITICAL SCIENCE: *First Prize*: Marland Lamonte Berdick. *Second Prize*: Elliott Hayden Valentine.

THE MILES A. TUTTLE PRIZE—SENIOR HISTORY ESSAY: Eugene Raymond Karasek.

THE WALL STREET JOURNAL STUDENT ACHIEVEMENT AWARD: Gordon Henry Clem.

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS PRIZE: Robert Maxwell Handy.

- THE RONALD H. FERGUSON PRIZE FOR EXCELLENCE IN FRENCH: Gerald Arthur Whitmarsh.
- THE GEORGE J. MEAD PRIZES IN GOVERNMENT: *First Prize*: DeWitt Elisha Taylor, Jr. *Second Prize*: Warren Albert Lange.
- TRINITY COLLEGE—UNIVERSITY OF CHICAGO LAW SCHOOL SCHOLARSHIP: Richard Kenneth Hooper.
- THE FRATERNITY SCHOLARSHIP CUP: Alpha Chi Rho.
- PHI BETA KAPPA—Thomas Harmon Barber, Marland Lamonte Berdick, Lawrence Thomas Brennan, Kurt Henry Brenner, Jr., Gordon Henry Clem, Robert Maxwell Handy, Richard Kenneth Hooper, Eugene Raymond Karasek, Warren Albert Lange, Giles Philip Lecrenier, Stanley Potter Miller, John Walter Nelson, Gerard Adelard Paquette, Raymond Cleo Parrott, Roy Frederick Perkins, Claude Peter Rotondo, Howard Jules Sloane, Elliott Hayden Valentine, Allyn Jarvis Washington, Joseph Berthold Wollenberger, Stuart Cowan Woodruff
- PI GAMMA MU—Albert David Alexander, Jr., Joseph Nicholas Basile, William Aaron Dobrovir, Robert Joseph Gillooly, Herbert Eric Holmquist, Richard Kenneth Hooper, Eugene Raymond Karasek, Warren Albert Lange, Stanley Potter Miller, Chester George Pado, Raymond Cleo Parrott, Roy Frederick Perkins
- SIGMA PI SIGMA—Thomas Edward Brett, Herbert Thomas Bryer, John David Driscoll, Joseph John Ettl, Ronald Michael Gagosz, Donald Stanley Knutson, Mason Palmer Southworth, Quentin Robert Starr, Robert Toggenburger, Matthew Joseph Wallace

AIR FORCE RESERVE OFFICERS TRAINING CORPS AWARDS FOR 1953

- THE TRINITY ALUMNI ASSOCIATION AWARD—to the cadet who has done most for the Trinity ROTC Cadet Corps. Cadet Lt. Col. William Alfred Romaine
- THE PRATT AND WHITNEY AIRCRAFT AWARD—to the outstanding cadet. Cadet Col. Bernard Joseph Bogoslofski
- THE HAMILTON STANDARD PROPELLER AWARD—to the outstanding cadet in Flight Operation. Cadet 1st Lt. Edward Johnson Palmer, Jr.
- THE COLT'S MANUFACTURING COMPANY AWARD—for the highest seasonal record for a member of the rifle team. Cadet A3/C Baird Lake McGrew
- THE HARTFORD VETERANS COUNCIL AWARD—to the cadet who has the highest grades in Fourth Year Science. Cadet Maj. Roy Frederick Perkins
- THE FIRST COMPANY, GOVERNOR'S FOOT GUARD AWARD—to the basic cadet who has the highest military proficiency. Cadet 1st Lt. John Dale O'Brien
- THE HARTFORD COURANT AWARD—to the outstanding basic cadet. Cadet M/Sgt. Louis John Christakos
- THE FIRST COMPANY, GOVERNOR'S HORSE GUARD AWARD—for the outstanding cadet from Connecticut. Cadet Lt. Col. Clayton Stuart Bradford
- THE CONNECTICUT RESERVE OFFICER'S ASSOCIATION AWARD—for the most improved advanced cadet. Cadet A3/C William Douglas Ross
- THE HARTFORD CHAPTER, RESERVE OFFICER'S ASSOCIATION AWARD—for the highest academic grades in Third Year Air Science. Cadet 1st Lt. Albert David Alexander, Jr.

- THE FIRST COMPANY, GOVERNOR'S FOOT GUARD BAND AWARD—for the outstanding bandsman. Cadet Capt. Donald William Kimmick
- THE SOJOURNER'S MILITARY ORGANIZATION AWARD—to the basic cadet showing distinguished effort and industry. Cadet Richard Graham Abbott
- THE HARTFORD CHAPTER, MILITARY ORDER OF FOREIGN WARS AWARD—to the advanced cadet with the highest military proficiency. Cadet Lt. Col. Noble Foster Richards
- THE 9057 VOLUNTEER AIR RESERVE TRAINING GROUP AWARD—to the cadet who has the highest academic grades in Second Year Air Science. Cadet A3/C David Meranski Geetter
- THE MILITARY ORDER OF WORLD WAR AWARD—for distinguished effort and industry. Cadet Capt. Richard Taylor Lyford, Jr.
- THE CONSOLIDATED VULTEE AIR CRAFT CORPORATION AWARD—for loyal and faithful service to the Cadet Corps. Cadet Lt. Col. John Madison Parker, III
-

AIR FORCE RIFLE TEAM AWARDS

- HIGH OFF-HAND. Cadet A3/C Baird Lake McGrew
- HIGH KNEELING. Cadet A3/C James Close Van Petersilge
- HIGH PRONE. Cadet M/Sgt. Peter Kay Windesheim
- MOST IMPROVED. Cadet A/B David Marston Taylor

ATHLETIC PRIZES

- THE GEORGE SHELDON MCCOOK TROPHY: William Goralski
- THE "1935" AWARD: Umberto DelMastro
- THE ARTHUR P. R. WADLUND BASKETBALL AWARD: Bruno Anthony Chistolini
- THE COACH'S FOUL SHOOTING TROPHY: Charles John Wrinn
- THE DAN WEBSTER BASEBALL AWARD: Charles John Wrinn
- THE JOHN SWEET BATTING AWARD: Carlton David Crosier
- THE JOHN E. SLOWIK SWIMMING AWARD: Walter Douglas Toole
- THE ROBERT S. MORRIS TRACK AWARD: William Edward Saypalia
- THE PETER S. FISH SOCCER TROPHY: Romilly Helfenstein Humphries
- THE HAROLD R. SHETTER TROPHY: Edward Hartley Smith
- THE NEWTON C. BRAINARD SQUASH RACQUET AWARD: Richard Ramsdell Stewart
- THE JOHN A. MASON SQUASH RACQUET AWARD: Michael Alan Morphy
- THE HORACE G. CLEVELAND, III, TENNIS MEDAL: Finals to be played in the fall
- THE LEWIS M. WALKER CUP (GOLF) MEDAL WINNER: Donald Teets Law, Jr.

Degrees Conferred in 1953

The following degrees, having been voted by the Corporation, were duly conferred at the public Commencement June 7:

BACHELOR OF ARTS IN COURSE

IRVING RAYMOND ADAMS, Fla.
RICHARD LLOYD AIKEN, N. Y.
THOMAS EMERSON ASHER, N. Y.
DIRCK BARHYDT, Conn.
KENNETH CHARLES BARNETT, Conn.
THEODORE ARNOLD BARNETT, Conn.
ROBERT ALLAN BARROWS, Mass.
JOSEPH NICHOLAS BASILE, Conn.
MARLAND LAMONTE BERDICK, N. Y.
with Honors in History
JOHN THEODORE BERSETH, N. Y.
JOHN BLYMYER BIRD, Del.
PHILIP WILLIAM BITTEL, Conn.
EDMUND BELL BLACKLER, Conn.
CAMERON BLELOCH, Mass.
BERNARD JOSEPH BOGOSLOFSKI, Conn.
ALVIN CURTIS BREWER, Conn.
JOHN FREDERIC CAMPBELL, Conn.
JOHN PIERCE CAMPBELL, Conn.
JAMES EDWARD CARROLL, Jr., Conn.
BEVERLY CORY CHEW, N. Y.
BRUNO ANTHONY CHISTOLINI, Mass.
DONALD RAYMOND CLARK, Conn.
*JOHN WILLIAM CLARK, Calif.
GORDON HENRY CLEM, Mass.
Valedictorian—with Honors in General Scholarship and in Economics
JAMES CRAVEN COULTER, Mass.
RICHARD EBEN CRAWFORD, Jr., Minn.
EDGAR CROCKER, Mass.
ROBERT EDWIN CROZIER, Mass.
RALPH F. DAVIS, Conn.
DAVID JOSEPH DEAN, Mass.
UMBERTO DEL MASTRO, Conn.
ROGER OWEN DOUGLAS, N. Y.
SANFORD ABELL DWIGHT, Conn.
KENNETH LIONEL ERIKSON, Conn.
VALENTINE HALL EVERSON, III, Conn.
WINTHROP WALDRON FAULKNER, Wash., D. C.
with Honors in Fine Arts
GREGORY BRUCE FOX, Conn.
RICHARD THOMAS GAGNE, Conn.

*In absentia

STEVEN JAY GODSICK, N. Y.
WILLIAM GORALSKI, Conn.
GLEN NAPIER GORDON, Jr., Pa.
with Honors in Fine Arts
JOSEPH ANGELO GUARDO, Conn.
KENNETH BROOKS HAMBLETT, Conn.
DWIGHT CONE HAMBLY, Jr., R. I.
JOHN BABCOCK HANFORD, N. Y.
ROBERT DUNHAM HAUGAN, Ill.
FREDERICK REED HOISINGTON, III, N. J.
RICHARD KENNETH HOOPER, N. J.
BURTON LENOX HOW, Jr., Conn.
KINGSTON LEE HOWARD, Conn.
ELLERD MINER HULBERT, Conn.
ROMILLY HELFENSTEIN HUMPHRIES, Mass.
BENJAMIN FRANKLIN JONES, IV, Pa.
EUGENE RAYMOND KARASEK, Ill.
with Honors in History
ROBERT DANIELSON KEITH, Conn.
PATTERSON KELLER, Md.
ALAN ERWIN KURLAND, Conn.
WARREN ALBERT LANGE, Conn.
with Honors in General Scholarship and in Government
JOHN HYDE LARSON, Pa.
GILES PHILIP LECRENIER, Conn.
with Honors in English
WILLIAM JOSEPH LESCURE, III, Pa.
DAVID MARIO LONGOBUCCO, Conn.
RICHARD TAYLOR LYFORD, Jr., Pa.
DOUGLAS MACARTHUR, N. J.
THEODORE EDWIN MALEC, Conn.
PHILIP JOSEPH MALLON, N. Y.
ORISON SWETT MARDEN, III, N. Y.
BENJAMIN MARTIN, Pa.
JAMES PAUL McALPINE, Conn.
STANLEY RUSSELL MCCANDLESS, Jr., Conn.
EDWARD RICHARD MCCrackEN, Mass.
DAVID KIEFFER MCGARVEY, N. Y.
JOHN KOLB McIVER, Fla.
with Honors in Fine Arts

JOSEPH JOHN MELLO, Conn.
 RALPH EDWIN MERRILL, Conn.
 DUNCAN CHAPIN MERRIMAN, R. I.
 THOMAS JOHNSON MICHIE, V. Va.
 STANLEY POTTER MILLER, Jr., N. J.
 CHARLES SEDGWICK MINOT, Mass.
 PAUL ALLEN MORTELL, Conn.
 RAYMOND MOSKOW, Mass.
 JOHN WALTER NELSON, Conn.
 JOHN ALDEN NORTH, Jr., Conn.
 WALTER RUDOLPH NOVAK, Mass.
 ROBERT CHARLES OSBORNE, Mass.
 CHESTER GEORGE PADO, Conn.
with Honors in Economics
 RAYMOND CLEO PARROTT, N. H.
 FREDERIC AUGUSTUS PARSONS, N. Y.
 ROY FREDERICK PERKINS, Conn.
with Honors in Economics
 ROY ARTHUR PETERSON, Conn.
 STEPHEN HAINES PLUM, III, N. J.
 OGDEN TRUESDALE PLUMB, Ill.
 WILLIAM GRANVILLE POLLOCK, Ohio
 CHARLES EDWARD PURDY, Minn.
 TRUBEE GIBNEY RACIOPPI, Conn.
 SAMUEL HAMILTON RAMSAY, Jr., R. I.
 ARTHUR WILLIAM RAYBOLD, Conn.
 DONALD RUSSELL REYNOLDS, Conn.
 ANTHONY JOSEPH ROBUCCI, Conn.
 WILLIAM ALFRED ROMAINE, N. J.
 ROBERT LANGDON ROWEN, Conn.
 ROGER LUC ST. PIERRE, Conn.
 *RICHARD CALVIN SANGER, Conn.

DAVID LIVINGSTONE SEEBER, Mich.
 MILTON ROBERT SENCABAUGH, Mass.
 BEVERLY RANDOLPH SHRIVER, Jr., Pa.
 EDWARD MORRISON SIMMONS, Jr., Conn.
 *WALTER PARKER SIMPSON, N. Y.
 FORRESTER CLARK SMITH, N. J.
 JAMES DONALD SPAGNOLI, N. Y.
 EARL ELLIOTT SPROUL, II, Ill.
 RICHARD RAMSDELL STEWART, Conn.
 DANIEL KILMER SULLIVAN, Mass.
 DEWITT ELISHA TAYLOR, Jr., Mich.
 ARTHUR HAROLD TILDESLEY, N. J.
 WALTER DOUGLAS TOOLE, Pa.
 ELLIOTT HAYDEN VALENTINE, Conn.
with Honors in History
 FREDERICK GEORGE VOGEL, Jr., Conn.
 *WILLIAM VAN ANTWERP WATERMAN,
 Jr., N. Y.
 WILLIAM RAYMOND WHITELAW, N. J.
 GERALD ARTHUR WHITMARSH, Conn.
with Honors in French
 CHARLES ROBERT WHITON, N. Y.
 PETER LAVERACK WINSLOW, Mass.
 JOSEPH BERTHOLD WOLLENBERGER,
 N. Y.
 KNUD NORTH WOODFORD, Conn.
 STUART COWAN WOODRUFF, Conn.
with Honors in English
 CHARLES JOHN WRINN, Conn.
 HAROLD DILKS WYNKOOP, Pa.
 ALLAN NELSON YOUNG, Jr., Pa.

BACHELOR OF SCIENCE IN COURSE

HARRY ANDERSON ASTLETT, II, N. Y.
 THOMAS HARMON BARBER, Conn.
 WILLIAM NOYES BERNHARD, N. J.
 HARVEY WHITFIELD BINGHAM, Jr., N. J.
 LAWRENCE THOMAS BRENNAN, N. J.
with Honors in Mathematics
 KURT HENRY BRENNER, Jr., Conn.
with Honors in Engineering
 DONALD THOMAS BURNS, N. J.
 RICHARD BUTTERWORTH, Ga.
 FRANCIS JOSEPH CALLAN, Conn.
 ROBERT STRATTON CHEROUNY, N. Y.
 PETER BULKELEY CLIFFORD, Conn.
 BARNUM LAWRENCE COLTON, Jr., Md.
 RICHARD MOSS COUDEN, Conn.
 RICHARD STANLEY ENBURG, Ill.
with Honors in Psychology

* In absentia

RONALD IAN FORSTER, N. Y.
 WILLIAM WELLES FOSTER, Conn.
with Honors in Engineering
 LEONARD ALBERT FRIEDRICH, Conn.
 ALAN BRIAN GANCY, Conn.
 GRAHAM SHERWOOD GIESE, Va.
 ROBERT MAXWELL HANDY, N. Y.
with Honors in Engineering
 WILLIAM LAURENCE HAYWARD, N. J.
 CARL MEITZLER HELLER, Jr., Conn.
 HERBERT ERIC HOLMQUIST, Conn.
 RICHARD STAUNTON HOWARD, Pa.
 RICHARD ESTABROOK HUNT, N. Y.
 BERNARD KURT HUPFER, Conn.
 WILLIAM GEORGE LAUFFER, Jr., Conn.
 STANLEY PECK LEE, N. Y.
 ERNEST PALMER LEWIS, Jr., Conn.

ROBERT HUNTINGTON LOOMIS, Conn.

with Honors in Engineering

EDWARD PAUL LORENSON, Conn.

LEA SHIPPEN LUQUER, JR., Mass.

KENNETH WILLIAM MARRINER, JR.,
Mass.

WALTER WILLIAM MARSDEN, N. J.

ALLYN AUBREY MARTIN, Conn.

RONALD MIECZNIKOWSKI, Conn.

GEORGE WILBUR MILLER, Conn.

WILLIAM STEPHEN MILLER, Conn.

EDWARD MITTLEMAN, Conn.

ALAN ALCOTT MOSES, N. J.

PAUL TYSON MOYER, JR., Pa.

ROY NUTT, Conn.

GERARD ADELARD PAQUETTE, Conn.

with Honors in Engineering

DONALD HARRY PETIT, Conn.

NOBLE FOSTER RICHARDS, Conn.

RICHARD JOHN ROBACK, Conn.

CLAUDE PETER ROTONDO, Conn.

*SALUTATORIAN—with Honors in Gen-
eral Scholarship and in Physics*

RONALD HOFER ROWLAND, N. J.

FELIX LOUIS SAMBOGNA, Conn.

JOHN JOSEPH SHIGO, III, Pa.

SHELDON GERSHON SIDRANE, Conn.

HOWARD JULES SLOANE, Conn.

MANUEL JOSEPH SOARES, Conn.

QUENTIN ROBERT STARR, Conn.

CARL HENRY STENBERG, JR., Conn.

ARTHUR RICHARD TINSZ, Conn.

HENRY VANDERBURCH, Conn.

JOHN JOSEPH WALSH, JR., Conn.

LANGFORD WARREN, JR., Mass.

ALLYN JARVIS WASHINGTON, Conn.

*with Honors in Mathematics
and in Physics*

DAVID LIONEL WERNER, Conn.

JACK WILLIAM WERNER, Conn.

ALAN FOSTER YATES, Conn.

MASTER OF ARTS IN COURSE

JOHN FRANCIS BOLAND, Conn.

EDNA MAGDALEN BURKE, Conn.

SADIE RICE CHAFFEE, Conn.

THOMAS RUSSELL COE, Conn.

HELEN RICE COLBURN, Conn.

THOMAS JOSEPH CONNOLLY, Conn.

WILLIAM GEORGE CROWLEY, JR., Conn.

FRANCIS JOHN D'AMATO, Conn.

JUAN ESTARELLAS RIPOLL, Spain

NELSON PARKER FARQUHAR, Conn.

ROBERT HENRY FENN, Conn.

STELLA AGNES GORSE, Conn.

SHIRLEY KING GRANFIELD, Conn.

ROSALIE COLEMAN GRANGER, Conn.

GEORGE DANA GREENLEAF, Mass.

EDWARD SNELL GUEST, Conn.

JOHN FRANKLIN HARRIS, Conn.

JOHN ALEXANDER HEIKEL, JR., N. J.

MARIETA GIBSON KENYON, Mass.

BLANCHE LOUISE LATHROP, Conn.

JOHN NATHANIEL LEACH, Conn.

MARY BEATRICE LOOMIS, Conn.

GENEROSO FRANCIS JOSEPH MARRA, Conn.

HELEN MARIE MCINERNEY, Conn.

WILLIAM ALBERT MILLER, Conn.

JOHN WILLIAM MARTIN NYSTROM, JR., Conn.

LEE PARANDES, Conn.

JUDITH JOHNSTONE PIKE, Conn.

ESTHER BEARDSLEY RICHARDS, Conn.

B.A., 1912, College of the Holy Cross

B.E., 1935, Teachers College of Connecticut

B.E., 1936, Teachers College of Connecticut

B.S., 1935, University of Virginia

B.A., 1934, Bates College

B.A., 1940, St. Anselm's College

B.A., 1948, Trinity College

B.S., 1951, Teachers College of Connecticut

B.A., 1941, M.Ed., 1945, Barcelona University

B.A., 1932, Harvard University

B.S., 1948, Trinity College

B.Mus., 1931, New England Conservatory of Music

B.S., 1949, Teachers College of Connecticut

B.S., 1940, St. Joseph College

B.S., 1939, Trinity College

B.A., 1952, Hillyer College

B.A., 1950, University of Connecticut

B.A., 1949, Trinity College

B.S., 1938, University of Massachusetts

B.S., 1945, Willimantic State Teachers College

B.A., 1950, Hillyer College

B.S., 1946, St. Joseph College

B.A., 1949, Wesleyan University

B.S., 1937, Teachers College of Connecticut

B.A., 1941, University of Nevada

B.A., 1951, Hobart College

B.A., B.S., 1949, University of Connecticut

B.A., 1948, Beaver College

Ph.B., 1933, University of Vermont

JAMES MORRISON RUSSELL, Conn.	B.A., 1950, Trinity College
JOHN JOSEPH SEDGWICK, Conn.	B.A., 1930, Amherst College
BARNARD SELIGMAN, Conn.	B.S., 1947, New York University
WALLACE WALTER TRAVERS, Conn.	B.S., 1947, Teachers College of Connecticut
MAX WEINER, Conn.	B.A., 1950, University of Connecticut
PAUL RAYMOND WHITE, Conn.	B.A., 1950, Trinity College
GERTRUDE TRECARTIN WIDERKRANTZ, Conn.	B.A., 1930, Bates College

MASTER OF SCIENCE IN COURSE

EVERETT WYMAN BENNETT, Conn.	B.S., 1950, Trinity College
*GERALD ROBERT FERRANTE, Conn.	B.S., 1949, Trinity College

HONORIS CAUSA

JOHN BLAIR BARNWELL, '17, of Washington, D. C., Doctor of Science
CHARLES WOOLSEY COLE of Amherst, Mass., Doctor of Humane Letters
KARL FENNING, '03, of Washington, D. C., Doctor of Laws
JOHN JAY McCLOY of New York City, Doctor of Laws
IRVING SANDS OLDS of New York City, Doctor of Laws
WILLIAM ARTHUR PURTELL of West Hartford, Conn., Doctor of Laws
ABRAHAM JEHIEL FELDMAN of Hartford, Conn., Doctor of Sacred Theology
PAUL HUMPHREY BARBOUR, '09, of Mission, S.D., Doctor of Divinity
JAMES ALBERT PIKE of New York City, Doctor of Divinity

Student List for 1953-1954

CLASS OF 1954

John Hill Adams, *Pittsburgh, Pa.*
 Richard John Adams, *Union Center, N. Y.*
 William Minor Aiken, *New York, N. Y.*
 Thomas Russell Ainsworth, *Tuxedo Park, N. Y.*
 Albert David Alexander, Jr., *West Hartford*
 John Robert Anderson, *Darien*
 Peter DeWitt Anderson, *New York, N. Y.*
 Robert Clifford Anderson, *Middletown*
 William Peter Anderson, *Philadelphia, Pa.*
 Gerard Medd Anthony, *Locust Valley, N. Y.*
 Paul William Arcari, *Manchester*
 Robert Leland Atwood, *Worcester, Mass.*
 Richard Coe Austin, *Cranford, N. J.*
 Stanton Hugh Avitabile, *Brooklyn, N. Y.*
 John Edwin Backenstoe, *Emmaus, Pa.*
 E. James Ball, *New Canaan*
 Alfred Edward Benton, *Hamden*
 Sheldon Mayer Berlow, *Buffalo, N. Y.*
 Louis Berrone, Jr., *West Hartford*
 Donald King Bissonnette, *West Hartford*
 John Heath Bloodgood, *West Hartford*
 Edward Thomas Bojor, *Hartford*
 Charles Clymer Bowen, *Lake Forest, Ill.*
 George Harry Bowen, *Westwood, N. J.*
 Clayton Stuart Bradford, *Hamden*
 Bernard Braskamp, Jr., *Washington, D. C.*
 William Alexander Bruce, *Yonkers, N. Y.*
 David Mansfield Bunnell, *West Hartford*
 John Robert Burrill, *West Hartford*
 William Henry Burroughs, *Larchmont, N. Y.*
 Halleck Arthur Butts, Jr., *Washington, D. C.*
 Alexander James Campbell, II, *Watertown*
 Winfield Arthur Carlough, Jr., *Ramsey, N. J.*
 Frederick Wilbur Carlson, *West Hartford*
 Colin Adams Carter, *Cambridge, Mass.*
 Raymond Peter Check, *Stratford*

Louis John Christakos, *Cazenovia, N. Y.*
 Walter John Cichon, *Windsor*
 Thomas Edmund Clark, *Granby*
 David Clemmer, *Philadelphia, Pa.*
 Edward Thomas Condron, *Hartford*
 William Bogart Conner, *Erie, Pa.*
 George Harris Cosby, III, *West Hartford*
 Felix Thomas Costa, *Hartford*
 John Gilbert Craig, Jr., *Wilmington, Del.*
 William George Crenson, *Harrison, N. Y.*
 John Odie Cresse, *Southampton, Pa.*
 Carlton David Crosier, *West Springfield, Mass.*
 Hugh Gilbert Cunningham, *Cohasset, Mass.*
 Daniel Leslie Davis, *Hartford*
 Robert Louis D'Abate, *Hartford*
 Jerome Francis Detotto, *New Britain*
 Robert John Dillon, *Hartford*
 Somerville Edward Dillon, *West Hartford*
 William Aaron Dobrovir, *Bayside, N. Y.*
 James Scott Duff, *Thomaston*
 Thomas Gerald Dyar, *Hartford*
 George Demilt Eggert, *Denville, N. J.*
 Joseph Alfred Esquirol, Jr., *Brooklyn, N. Y.*
 Paul Swift Farrar, *Winnetka, Ill.*
 Joseph Russell Fawley, Jr., *Philadelphia, Pa.*
 Gary Lewis Fedden, *Bayside, N. Y.*
 David E. Fisher, *Philadelphia, Pa.*
 Raymond Harry Fitz-Randolph, *Wanamassa, N. J.*
 David Kenneth Floyd, *Farmingdale, N. Y.*
 Eric Anderson Fowler, *Whitehouse, N. Y.*
 Samuel Robert Fowler, Jr., *West Beach, Md.*
 George Eugene Franchere, *Albany, N. Y.*
 Warren Jay Gelman, *Passaic, N. J.*
 Yale Marshall Gilfix, *Newton Center, Mass.*
 Robert Joseph Gillooly, *New Haven*
 William Gray Godfrey, *Rye, N. Y.*
 William Harrison Goodhart, *New York, N. Y.*

Howard Marion Griffith, Jr., *Yonkers N. Y.*
 Roger Joseph Harmon, *Rockford, Ill.*
 David Hawkins, *South Orange, N. J.*
 Robert Stephen Heins, *Flushing, N. Y.*
 Richard Addison Hennigar, *Saugus, Charles Howard Hensel, Bridgeton, N. J.*
 David Hewson, *Philadelphia, Pa.*
 Robert Boyd Hibbs, *Philadelphia, Pa.*
 John Paul Higinbotham, *Baltimore, Md.*
 George Thomas Hill, *Poland, Ohio*
 James Janeway Hill, *Wethersfield*
 Richard Davis Hines, *Bristol*
 Richard Lee Hirsch, *Buffalo, N. Y.*
 John Edward Holmes, *Cazenovia, N. Y.*
 John deMouplied Hooker, *West Hartford*
 Jacques Vaughn Hopkins, *McHenry, Ill.*
 John Norman Hopkinson, *Princeton, N. J.*
 Alexander Stuart Hunter, *Sewickley, Pa.*
 Lawrence Stephen Hutnick, *Hartford*
 Francois Tonetti Hyde, *Palisades, N. Y.*
 Edward Charles Jager, *Chicago, Ill.*
 Gordon Jelliffe, *Hartford*
 Donald Francis Johnston, *East Orange, N. J.*
 Robert John Johnston, *Utica, N. Y.*
 Wilbur Jones, *Hartford*
 John Herbert Kaelber, *Port Washington, N. Y.*
 Robert Henry Kalinowski, *West Hartford*
 David Kittle Kennedy, *Honolulu, Hawaii*
 Paul Edward Kennedy, *Great Neck, N. Y.*
 Donald William Kimmick, *Dumont, N. J.*
 Irving Upton Knight, *Hamden*
 Donald Stanley Knutson, *Wethersfield*
 Kenneth Bernard Kochanski, *Plainville*
 Alfred James Koepfel, *Kings Point, N. Y.*
 Robert Barrett Laub, *Buffalo, N. Y.*
 Edward Francis Lawler, *Hartford*
 Bernard Joseph Lawlor, *Waterbury*
 James Allen Leigh, *Decatur, Ill.*
 Raymond Clark Leonard, Jr., *Grosse Pointe, Mich.*
 Richard David Lewis, *New York, N. Y.*
 Richardson Armstrong Libby, *Washington, D. C.*

James Pentland Logan, *Harrington Park, N. J.*
 David Owen MacKay, *Hartford*
 David Odell MacKenzie, *Lake Forest, Ill.*
 Alexander Anderson MacKimmie, III, *Wethersfield*
 Herbert Beatson MacLea, *Baltimore, Md.*
 Dwight Anthony Mayer, *Westport*
 Charles David Mazurek, *Hartford*
 John Anthony Mazzarella, *Astoria, N. Y.*
 Lewis Durham McCauley, *Buffalo, N. Y.*
 Walter Thomas McMahon, *Hartford*
 Carl Leibhart Mease, *Hershey, Pa.*
 James Harold Mitchell, Jr., *West Orange, N. J.*
 Michael Alan Morphy, *Pasadena, Cal.*
 Raymond Joseph Moylan, Jr., *Hartford*
 Stanley Nelson Muirhead, Jr., *Grosse Pointe, Mich.*
 William Talbot Murray, III, *Hanover, Md.*
 Neil Stuart Mutschler, *Rochester, N. Y.*
 William Barrow Mylchreest, Jr., *Mt. Vernon, N. Y.*
 Edmund Alfred Nahas, *Brooklyn, N. Y.*
 William Saburo Nakaso, *Hartford*
 Paul Whitaker Neal, *Washington, D. C.*
 Stanley Lester Newman, *N. Y.*
 Kurt Walter Niemann, *Garden City, N. Y.*
 Peter Minert Norman, *Rochester, N. Y.*
 Frederic Garrett Oberender, *Teaneck, N. J.*
 Theodor Oxholm, Jr., *Esopus, N. Y.*
 Edward Johnson Palmer, Jr., *W. Collingswood, N. J.*
 Donald George Paris, *New Britain*
 Herbert Warner Park, *New York, N. Y.*
 Richard Payne Pearson, *New Rochelle, N. Y.*
 Ronald Wayne Peppe, *New York, N. Y.*
 Clayton Charles Perry, Jr., *Shaker Hts., O.*
 George Harold Pike, Jr., *Chatham, N. J.*
 Wilson Gifford Pinney, *Hartford*
 Louis Sebastian Piotrowski, *Hartford*
 Edward Gabriel Pizzella, *Hartford*
 Frederick Ralph Potter, *Gardiner, Maine*
 Jerome Herbert Raube, *Beloit, Wis.*
 Donald Bartow Read, *Purchase, N. Y.*

Gordon Bramon Reese, *Milwaukee, Wisconsin*
 Carmelo George Russo, *Hartford*
 James Frederick Sauvage, *Forest Hills, N. Y.*
 William Edward Saypalia, *Rockville*
 Paul Gerard Schenker, *Brooklyn, N. Y.*
 J. Myron Schneeberg, *Philadelphia, Pa.*
 Wayne Allen Schoyer, *Pittsburgh, Pa.*
 Mayo Schreiber, *Grosse Pointe Park, Mich.*
 Robert Lindsay Scott, *Winnetka, Ill.*
 Frederick Hadlow Searles, *Geneva, N. Y.*
 James Demarest Secor, Jr., *New Rochelle, N. Y.*
 David Newell Seufert, *W. Englewood, N. J.*
 Bruce Herbert Lindsay Shaw, *Woonsocket, R. I.*
 Morton Lewis Schechtman, *West Hartford*
 Jerry Steven Silverberg, *Hartford*
 Peter Kapriel Sivaslian, *Albany, N. Y.*
 Albert Laurence Smith, *Cresskill, N. J.*
 Edward Hartley Smith, *Marblehead, Mass.*
 Richard Haines Smith, *Hartford*
 James Flood Stebbins, *Syosset, N. Y.*
 Ronald Frederick Storms, *West Hartford*
 Kenneth Willard Stuer, Jr., *Hartford*
 Donald Gustave Sukosky, *E. Hartford*
 Lewis George Taft, *West Hartford*
 Theodore Thomas Tansi, *Jamaica, N. Y.*

Douglas Ronald Teece, *W. Springfield, Mass.*
 Clifford Richard Thatcher, Jr., *Philadelphia, Pa.*
 Grant Malcolm Thomas, III, *Haddonfield, N. J.*
 Michael Paul Thomas, *Larchmont, N. Y.*
 Robert Toggenburger, *Hartford*
 Ralph Lewis Tompkins, Jr., *New York, N. Y.*
 Thomas Robert Tucker, *River Forest, Ill.*
 Richard Robbins Vanderbeek, *Tenafly, N. J.*
 Charles Hirschy VanLanen, *Mankato, Minn.*
 Arthur Gregg VonThaden, *Short Hills, N. J.*
 George Dewey Waldman, *Hartford*
 Matthew Joseph Wallace, *Hartford*
 Philip Cutter Ward, *Manhasset, N. Y.*
 Morton Michael Webber, *Hartford*
 Jack Lewis Weinberg, *Hartford*
 Gordon Adams West, *Philadelphia, Pa.*
 Edward Lloyd White, *West Hartford*
 Henry Richard Whitlock, *W. Englewood, N. J.*
 Arthur Moberg Wilson, *Point Pleasant Beach, N. J.*
 Peter Kay Windesheim, *Urbana, Ill.*
 Edwin Winner, Jr., *Hatboro, Pa.*
 Robert Adolph Wolff, *W. Hartford*
 Henry Joseph Woodward, *Rockford, Ill.*
 Blair J. Van Wormer, *West Hartford*
 Andrew Francis Zembko, *New Britain*

CLASS OF 1955

Thomas James Allocco, *New Vernon, N. J.*
 Mount Thurston Archer, *Niagara Falls, N. Y.*
 Peter Alexander Bard, *Huntington, N. Y.*
 William Hall Barnewall, Jr., *Greenwich*
 Harold Whipple Bartlett, Jr., *Shelton*
 Hayward Floyd Bartlett, *Pittsburgh, Pa.*
 Leonard Julius Beck, *Scarsdale, N. Y.*
 Paul Dana Bemis, Jr., *West Hartford*
 Robert Putnam Bennett, *Newington*
 Richard Challis Biddle, *Deerfield, Mass.*
 Eugene Louis Binda, *Quincy, Mass.*

Richard Lincoln Bittner, *Litchfield*
 Keith Lindsay Black, *Wrightstown, N. J.*
 Walter Stanley Blogoslawski, *New Britain*
 Richard Perry Blye, *Rutherford, N. J.*
 Thomas Edward Bolger, *Milwaukee, Wis.*
 William Nevin Booth, *Sewickley, Pa.*
 John Francis Boyer, *Ardmore, Pa.*
 Thomas Edward Brett, *West Hartford*
 Charles Schuyler Britton, *Cleveland, Ohio*
 Alan E. Steven Brody, *Hartford*
 Aaron Brotman, *Great Neck, N. Y.*
 Frederick Brown, Jr., *Foxboro, Mass.*
 Herbert Thomas Bryer, *Bayside, N. Y.*

- Joseph Harry Buchanan, *Short Hills, N. J.*
 Daniel Jackson Budd, *Chester, N. Y.*
 Bouldin Gaylord Burbank, Jr., *Winchester, Mass.*
 Harold Cuthbert Burdon, Jr., *Newington*
 Charles Gregory Burt, *Newington*
 Thomas Turner Callahan, *Bronxville, N. Y.*
 John Holmes Callen, Jr., *Rumson, N. J.*
 Richard Joseph Cardines, *Hartford*
 Mario Donald Cardwell, *Rochester, N. Y.*
 John Josiah Carey, *Storrs*
 Joseph Michael Carey, *Hartford*
 Leif Duane Carlson, *West Hartford*
 Paul Conrad Carlson, *West Hartford*
 Norman Joseph Catir, *Portland, Me.*
 Frank Stanley Cervený, *Springfield, Mass.*
 Robert Davis Chamberlain, *West Hartford*
 Charles Edgar Champenois, *South Orange, N. J.*
 Nai Yong Chang, *New Rochelle, N. Y.*
 Richard Emerson Clarke, *Unionville*
 David Heald Clary, *Worcester, Mass.*
 Donald Reid Clay, *West Hartford*
 Erving Wade Close, Jr., *Ardmore, Pa.*
 Ronald Charles Coe, *Ramsey, N. J.*
 Philip Dodd Craig, *New Rochelle, N. Y.*
 Gerow Garrison Crowell, *Hamden*
 John Stephen Crump, *Lincoln, N. H.*
 Samuel Dachs, *Bronxville, N. Y.*
 John Joseph Davis, Jr., *Darien*
 James Edward Detzler, *Sandwich, Ill.*
 Robert Stafford Diamond, *Poughkeepsie, N. Y.*
 Richard Joseph DiBella, *Newington*
 Albert Hugh Dickinson, *Wilmington, Del.*
 Roderic Charles Diman, *Philippine Islands*
 David Stanton Dimling, *Wyoming, Ohio*
 John James Dluhy, *Clifton, N. J.*
 Robert John Donahue, *Farmington*
 John David Driscoll, *Hartford*
 Bennett Dyke, *Newton, Mass.*
 Charles Frederick Eberle, *Windsor*
 Joseph John Ettl, *Hartford*
 Frank Lyman Farnham, *Syracuse, N. Y.*
 Robert Stephen Feinberg, *Teaneck, N. J.*
 Richard Ferraro, *Chicago, Ill.*
 Stanley Peter Filewicz, *New Britain*
 John Finney Finesilver, *West Hartford*
 Alvan Fisher, Jr., *Natick, Mass.*
 Donald Larry Fisher, *Elmira, N. Y.*
 Edmond John Fitzpatrick, *Hartford*
 James Pratt Foley, Jr., *St. Davids, Pa.*
 John Davis Foley, *Winchester, Mass.*
 Terence Gladwell Ford, *Republic of Panama*
 Robert Alexander Freeman, *Watertown*
 Richard Arthur Freytag, *Lake Forest, Ill.*
 James Broadmeadow Fyfe, *Branford*
 Ronald Michael Gagosz, *Wethersfield*
 John Patrick Gallagher, *Hartford*
 Richard James Galvin, *West Hartford*
 William Cushing Gardiner, *Brookline, Mass.*
 Charles Shoop Gardner, III, *Summitt, Pa.*
 Owen Sims Garner, *Hamden*
 David Meranski Geetter, *Hartford*
 William Robert Gladwin, *Hopkins, Minn.*
 John Stephen Gleason, *Homer, N. Y.*
 Harvey Walter Goldberg, *West Hartford*
 Robert Walter Colledge, *Springfield, Mass.*
 John Manning Greenleaf, *Greenwich*
 Peter Rogerson Haeberle, *Lewiston Hts., N. Y.*
 Richard Willis Hall, *Berlin*
 Lincoln Barnes Hansel, *Chestnut Hill, Pa.*
 Jerald E. Hatfield, *Fenton, Mich.*
 Gerard Charles Heldrich, Jr., *Metuchen, N. J.*
 Paull Hamilton Hines, *Biscayne Park, Fla.*
 David Stewart Hoag, *Newark, N. J.*
 Robert Ivan Hodes, *Brooklyn, N. Y.*
 John January Hodge, *Wayne, Pa.*
 James Russell Hoffmann, *West Hartford*
 James David Holland, *West Hartford*
 Robert James Hollister, *West Hartford*
 Harold Homa, *Yonkers, N. Y.*
 Cameron Frederic Hopper, *Brewster, N. Y.*
 Ralph Albert Howard, Jr., *Manchester*
 Frank Leeds Hunnicutt, *West Hartford*
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 Igor Ilia Islamoff, *Claymont, Del.*
 Louis John Iselhardt, *Scarsdale, N. Y.*
 Philip Appleton Ives, *Greenwich*
 David Elliot Johnson, *Phoenixville, Pa.*

Brooks Rogers Joslin, *West Hartford*
Richard Pickering Joy, III, *Grosse Pointe, Mich.*

Maurice Karl Kahan, *West Hartford*
Edwin Francis Kalat, *Plainville*
Felix Jerry Karsky, *Wethersfield*
Harold Katzman, *West Hartford*
David Stuart Kayner, *Rochester, N. Y.*
George Chalfant Kennedy, Jr., *Pittsburgh, Pa.*

Ronald Harold Kent, *Newington*
Russell William Kerchis, *Hartford*
Colbeth Killip, *Rochester, N. Y.*
Richard Stephen Kopp, *Hamden*
George M. Kramer, *Forest Hills, New York*

Marshall Brown Kronholm, *West Hartford*

Lee Adams Lahey, *Pelham, N. Y.*
Robert Alan Laird, *Shaker Heights, Ohio*

Thomas Hooper Lapham, *Glens Falls, N. Y.*

Mortimer Ferris LaPointe, *Ticonderoga, N. Y.*

William Francis LaPorte, Jr., *Hartford*
Donald Teets Law, Jr., *Tenafly, N. J.*
Richard Malcolm Leach, *Chestnut Hill, Mass.*

Frank Marion Lentz, *Darien*
Charles Fanning Leonard, *Hartford*
Edgar James Lindenmeyer, *Lake Forest, Ill.*

Thomas Ruddell Livingston, *Mt. Holly, N. J.*

David Jopson Logan, *Newington*
Frank William Luby, Jr., *Riverside*
George Colby Lunt, II, *Greenfield, Mass.*

Stanley Francis Lusnia, Jr., *Chicopee, Mass.*

Martin Palmer Mack, *Windsor*
Louis Rael Magelaner, *Brooklyn, N. Y.*

James Byrne Maher, Jr., *Hartford*
Gordon Renwick Maitland, Jr., *Grosse Pointe, Mich.*

Don Stuart Mastriforte, *Collinsville*
Richard Edwards McCrea, *Shaker Heights, O.*

Arthur Milne McCully, *Greenwich*
Ronald Edward McGowan, *West Hartford*

Anthony Lispenard McKim, Jr., *Little Silver, N. J.*

Craig Arnold Mehldau, *Brooklyn, N. Y.*
Irwin Goldner Meiselman, *Hempstead, N. Y.*

John Spence Merriman, *New London*
Lawrence Metzger, *Hillsdale, N. J.*

Joseph Slotnik Michelson, *Brookline, Mass.*

Daniel Timothy Miller, Jr., *E. Hampton, N. Y.*

Robert Nelson Miller, *Waterbury*
Rupert Noel Miller, *Ridgewood, N. J.*

Paul Cassel Moock, Jr., *Philadelphia, Pa.*

William Christopher Morgan, *Racine, Wis.*

John Walter Morrison, *Waukegan, Ill.*
Ronald Edgar Moss, *Brooklyn, N. Y.*

Donald Franklin Mountford, *So. Orange, N. J.*

Robert Lawrence Mullaney, *Manchester*

Peter Whitney Nash, *Groton, Mass.*
David Dalton Nelson, *Hartford*

John Bethell Newlin, *Scarsdale, N. Y.*
Peter Emmett Newman, *Brooklyn, N. Y.*

William VanBuren Nixon, Jr., *Narberth, Pa.*

John Vale Nyquist, *West Hartford*
John Dale O'Brien, *Wethersfield*

Robert Edward O'Brien, *Hartford*
Arthur Bernard O'Connell, Jr., *Newington*

Rial Peck Ogden, *Hartford*
William Thomas O'Hara, *New Haven*

Heino-Otto Ora, *West Hartford*
Henry Frank Pado, *Hartford*

John Louis Palshaw, *East Hartford*
Robert Pedevill, *Palisades Park, N. J.*

Donald Wells Penfield, *Winnetka, Ill.*
Charles Maxwell Peterson, Jr., *Philadelphia, Pa.*

Gregory Michael Petrakis, *Hartford*
Donal Royal Pierucci, *Llanerch, Pa.*

John Andrew Preissner, *West Hartford*
Burton Scott Price, Jr., *Waban, Mass.*

John Phillips Redmond, *Chatham, N. J.*

Nathaniel Pryor Reed, *Greenwich*
Joseph Villsack Reineman, *Pittsburgh, Pa.*

Joseph Francis Riccardo, Jr., *Hartford*
Robert Beauregard Riley, III, *Washington, D. C.*

Donald William Ritter, *Ridgewood, N. J.*

Richard Donald Roat, Jr., *West Hartford*

David Allen Roberts, *Cicero, Ill.*
William Bailey Romaine, Jr., *Madison, N. J.*

Alain Rene Roman, *Mamaroneck, N. Y.*

Edwin Sanford Rose, *Springfield, Mass.*
 Sanford Harris Rose, *Bronx, N. Y.*
 William Douglas Ross, *Garden City, N. Y.*
 Robert Mansfield Rowe, *Concord, Mass.*
 Richard Downey Royston, *Coraopolis, Pa.*
 Benjamin Rudner, *Hartford*
 Sydney Maurice Rudy, *Hartford*
 John Gregory Samoylenko, *Auburn-dale, Mass.*
 Henry Scheinberg, *Riverhead, N. Y.*
 Roger Lee Scherer, *So. Minneapolis, Minn.*
 Albert Frederick Schwantor, *Hartford*
 Robert Wakeman Shaw, *East Hartford*
 Robert Foster Shay, *Concord, N. H.*
 Guy Roland Shea, *Rye, N. Y.*
 Charles Beury Simons, *Philadelphia, Pa.*
 Robert Lionel Sind, *West Hartford*
 Hillel Sinoway, *South Orange, N. J.*
 Saul Arnold Slossberg, *Hartford*
 Charles Peter Smith, *New York, N. Y.*
 Leander Willis Smith, *Hartford*
 Gerald Curles Snyder, Jr., *Waukegan, Ill.*
 Frank Michael Solomita, *Waterbury*
 Mason Palmer Southworth, *W. Hartford*
 William Joseph Squires, *W. Hartford*
 Fred Brown Starr, *Kennett Square, Pa.*
 Clay Greer Stephens, *Roslyn, N. Y.*
 Duncan Stephenson, *New York, N. Y.*
 Peter Stretch, *Garden City, N. Y.*
 James Moulton Thomas, Jr., *Baltimore, Md.*

Robert Joseph Thomas, *Hamden*
 Richard Leon Tompkins, *Needham, Mass.*
 Todd Hubbard Trefts, *Orchard Park, N. Y.*
 Philip Dundon Truitt, *Orange, N. J.*
 Stephen Howell Tudor, *Tacoma, Wash.*
 Thomas Stuart Ullmann, *Lake Bluff, Ill.*
 Alden Greer Valentine, *W. Hartford*
 Donald Joseph Valz, *Andover, Mass.*
 James Close Van Petersilge, *Deerfield, Mass.*
 Clarence Alanson Vars, Jr., *Westerly, R. I.*
 William Bell Volpe, *Roselle Park, N. J.*
 Richard Albert Wainman, *Glastonbury*
 John Morales Walker, *Rockville*
 Stanley Frank Watters, *W. Hartford*
 Richard Paul Welch, *E. Hartford*
 Robert Harrington Welsh, *W. Hartford*
 Robert Frederick Werner, *W. Hartford*
 Peter Whiting, *Birmingham, Mich.*
 Bruce Nairn Whitman, *Stamford*
 Peter Widmer, *Old Greenwich*
 Kenyon Jones Wildrick, *So. Orange, N. J.*
 Robert Day Wood, *Shaker Heights, Ohio*
 Robert Murray Woronoff, *West Hartford*
 Thomas Pearson Wright, *Keene, N. H.*
 Edward Myron Yeomans, *Andover*
 Howard Leonard Yood, *New York, N. Y.*
 Richard Sidney Zampiello, *Hamden*

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 Edwin Dreyfus Abrams, *Brookline, Mass.*
 Donald Edward Ahlberg, *Hartford*
 Kenneth Whittier Ake, Jr., *Rye, N. Y.*
 Robert Howard Alexander, *W. Hartford*
 Robert Joseph Allen, *Scarsdale, N. Y.*
 Arthur Peter Anderson, Jr., *Milford*
 Bruce Frederick Anderson, *Newington*
 Donald Werner Anderson, *Lake Forest, Ill.*
 Thomas Roberts Appel, *Lancaster, Pa.*
 Raymond Bruno Aramini, *Avon*

Robert Henry Baker, Jr., *Evanston, Ill.*
 Albert John Barnett, *Hartford*
 John Howard Barter, *W. Hartford*
 John Marshall Barton, *W. Hartford*
 Gordon Samuel Bates, *Yonkers, N. Y.*
 Allyn Lee Beardsell, *Short Hills, N. J.*
 Benjamin Bell, *Gladwyne, Pa.*
 Ralph Beren, *Elkins Park, Pa.*
 George Melbourne Bergerman, *New York, N. Y.*
 William Hampton Black, III, *Toledo, Ohio*
 John Doner Blackford, *Towners, N. Y.*
 Ronald George Boss, *Elmwood*
 Ralph Ferris Bowles, *Tuckahoe, N. Y.*

Morgan B. Brainard, III, *Hartford*
 Robert Alan Briggaman, *West Hartford*
 John Sinclair Brims, *Verona, N. J.*
 Walter M. L. Brown, *Philadelphia, Pa.*
 James Bell Bullitt, III, *Swarthmore, Pa.*
 Donald Field Burr, *West Chatham, Mass.*
 James Congleton Burroughs, *Larchmont, N. Y.*
 John Joseph Burton, *Hartford*
 Vito Richard Calbi, *Hartford*
 Merrill Burd Callen, *Rumson, N. J.*
 Edward Francis Campbell, *Hartford*
 Robert Edward Carey, *Hartford*
 Albert Joseph Casale, *Hartford*
 Leslie Frank Chard, II, *Dunkirk, N. Y.*
 John Kennedy Churchill, *Milwaukee, Wis.*
 George John Cole, *Leonia, N. J.*
 Richard Frank Collver, *Hamden*
 John Munson Comley, Jr., *Stamford*
 Franklin Huntoon Coursen, *Short Hills, N. J.*
 Hugh Edward Crilly, III, *Allentown, Pa.*
 Willard Saltonstall Dakin, *Winnetka, Ill.*
 Edward Joseph Daley, Jr., *Middletown*
 Gerald Desmond Dandrow, *Wethersfield*
 Daniel Abner Davis, Jr., *Providence, R. I.*
 Robert Duane Davis, *Galesburg, Ill.*
 Alfred John DeFalco, *Woodbridge*
 Willis Arnold Diefendorf, *Cazenovia, N. Y.*
 Wylie Jerome Dodds, *Stamford*
 Alan Dale Doering, *Bryn Athyn, Pa.*
 Francis John Duggan, *Wethersfield*
 James Perkins Earle, II, *North Haven*
 William Henry Eastburn, III, *Cranston, R. I.*
 Kenneth William Eaton, *Short Hills, N. J.*
 Rolf Peter Ericson, *West Hartford*
 Wesley Winslow Eustis, *West Hartford*
 John Reynold Evans, *Solomons, Md.*
 Charles Allen Even, Jr., *Wethersfield*
 Thomas Edgar Fenton, Jr., *South Orange, N. J.*
 Richard Lee Fleming, *Bement, Ill.*
 Gerald Alfred Fletcher, Jr., *Oak Park, Ill.*
 Gerald Joseph Flood, *New Britain*

Frank Gordon Foley, *New York, N. Y.*
 John LeRoy Fox, *Merion Station, Pa.*
 Robert Broatch Frantz, *Cincinnati, Ohio*
 Philip Roland French, *St. Paul, Minn.*
 Eugene Joseph Gallagher, *Hartford*
 Howard Joseph Cartland, *Hamden*
 Frederick Evelyn Gignoux, III, *Washington, D. C.*
 John Gill, *San Juan, Puerto Rico*
 David Arthur Ginns, *Philadelphia, Pa.*
 Roland Everett Gledhill, *Hartford*
 William Van Orden Gnichtel, *So. Orange, N. J.*
 Terrell Eric Graves, *Lenox, Mass.*
 Alfred Thomas Guertin, *Winnetka, Ill.*
 Barry Turner Haff, *Bronxville, N. Y.*
 Robert Michael Hammaker, *Winnetka, Ill.*
 Lee Spode Hammersley, *Wallingford*
 David William Hasson, *Hartford*
 Edward Eugene Henrie, *Bloomsburg, Pa.*
 James A. McClure Hickin, *Millboro, Va.*
 David Alvah Hoare, *Watkins Glen, N. Y.*
 John Pigott Hoey, *Hamden*
 Robert William Holmstrom, Jr., *Hartford*
 Edgar Hoyer, Jr., *Kensington, Md.*
 Louis David Hurr, *Detroit, Mich.*
 William Stephen Huther, *Webster, N. Y.*
 William L. H. Jackson, *Philadelphia, Pa.*
 Arthur Joseph Jarvis, *Hartford*
 Richard William Dickinson Jewett, Jr., *Haverford, Pa.*
 Russell Ziebell Johnston, Jr., *West Hartford*
 Richard Joseph Jordan, *Hartford*
 William Francis Keating, Jr., *Holyoke, Mass.*
 Joseph Gabriel Kelley, *Thomaston*
 Herbert Klee, Jr., *Highland Park, Ill.*
 Sanford Gillespie Knapp, *St. Paul, Minn.*
 Alden Gaylord Knight, *Hamden*
 Philip Irwin Kotch, *Glenville*
 Ronald Alek Kozuch, *Wethersfield*
 George Richard Kramer, *Tuckahoe, N. Y.*
 Joseph Patrick Kurmaskie, *Simsbury*
 Thomas Morgan Lawrence, *Greenwich*
 John Donald Limpitlaw, *Lynbrook, N. Y.*
 William Raymond Linder, *Havertown, Pa.*

- Robert Livingston, *West Hartford*
 William Arnold Loeb, *Philadelphia, Pa.*
 Alan Hubbard Loveridge, *Waterbury*
 Edward Stanley Lucas, *Hartford*
 Walfrid Gustaf Lundborg, Jr., *West Hartford*
 Peter Covenhoven Luquer, *Brookline, Mass.*
 Bruce Newell Macdonald, *Winnetka, Ill.*
 William Fillmore MacDonald, III, *Harrison, N. Y.*
 Paul Spurgeon MacLeod, *Augusta, Maine*
 Jeremiah Whitehouse Maher, *Homer, N. Y.*
 Kirby James Malcolm-Smith, *W. Hartford*
 Harry Mancoll, *West Hartford*
 Charles William Marcy, III, *Summit, N. J.*
 John Vincent Marino, Jr., *Freesport, N. Y.*
 Roger Earl Martin, *Rockville*
 Daniel Stanley Mazur, *Hartford*
 Donald John McAllister, *West Englewood, N. J.*
 Peter Sheldon McCabe, *Arlington, Vermont*
 George Robert McCanless, Jr., *Bogota, N. J.*
 William Donald McGinn, *Windsor Locks*
 Carl John Meister, Jr., *West Chester, Pa.*
 William Lee Melamed, *Wayzata, Minn.*
 Stephen Arthur Mongillo, Jr., *New Haven*
 Edward Alembert Montgomery, Jr., *Niagara Falls, N. Y.*
 John Richardson Morley, *Nassau, Bahamas*
 Philip Rhodes Morris, *Wellesley Hills, Mass.*
 Ezra Rust Muirhead, *Grosse Pointe Farms, Mich.*
 James Francis Murphy, *Hartford*
 Donald Goff Newhall, *Minneapolis, Minn.*
 Christopher Trowbridge Nosworthy, *West Hartford*
 Frederick Lyman Osborn, *Vineland, N. J.*
 Wallace Clayton Parker, *Salisbury, Md.*
 Gerald Pauley, *Bellerose, N. Y.*
- Joachim Edward Pengel, *No. Mankato, Minn.*
 Robert Paul Perens, *New York, N. Y.*
 Arnold Irwin Persky, *Hartford*
 Richard Howell Phillips, *Sands Point, L. I., N. Y.*
 Robert Lansing Phipps, *New York, N. Y.*
 Samuel Eugene Pickett, *Windsor*
 Lucian Henry Pienkowski, Jr., *New Britain*
 John Piper, *West Hartford*
 Barry Ronald Plotts, *Lansdowne, Pa.*
 Lyman Theodore Powell, III, *Superior, Wis.*
 Richard Bates Price, III, *Orchard Park, N. Y.*
 Oliver deMontalant Putnam, *Washington Depot*
 Eero Raig, *West Hartford*
 Jay Irving Ralph, *Wilmington, Del.*
 William Killein Reed, *Manchester*
 Elton Jared Reid, *Wethersfield*
 David Philip Renkert, *Canton, Ohio*
 Kenneth Resnick, *Brooklyn, N. Y.*
 Anthony Bernard Rice, *Hartford*
 Ronald Atley Richardson, *Newport, R.I.*
 Chester Charles Ringheiser, *Jersey City, N. J.*
 John Holland Harris Ritter, *St. Davids, Pa.*
 Philip Ogden Ritter, *Philadelphia, Pa.*
 Frederick John St. Jean, *Danbury*
 Peter Taylor Sayre, *Chatham, N. J.*
 William Norman Schacht, *Cincinnati, Ohio*
 Bertram Richard Schader, *Philadelphia, Pa.*
 Alan Robert Schaertel, *Gloversville, N. Y.*
 Frederick DeGraw Schuh, *Teaneck, N. J.*
 Donald Jamieson Scott, *Hamden*
 Sanford William Scott, Jr., *Tariffville*
 Alva Benjamin See, Jr., *Greenwich*
 Kimball Shaw, *Boston, Mass.*
 Donald Freeman Shelly, *Merion, Pa.*
 Jay Morton Sivitz, *Philadelphia, Pa.*
 George Wesley Skinner, *Elmwood*
 Dexter Warden Smith, *W. Hartford*
 Laurence Cortelyou Smith, *Canaan*
 Richard Loring Smith, *Bridgeport*
 William Rodney Smith, *West Hartford*
 William Ruthven Smith, III,
 John Tracy Snow, Jr., *River Forest, Ill.*
 Richard Simeon Stanson, *Akron, Ohio*
 Martin Clapp Stearns, *Scarsdale, N. Y.*
 Charles Causten Stehle, *Rydal, Pa.*

Jim Hershey Steinmetz, *Bangor, Pa.*
 Charles Constantine Sticka, *Natick, Mass.*
 Phillip John Stiles, *Rocky Hill*
 George William Stone, Jr., *So. Windsor*
 James Michael Streeto, *East Haven*
 Ridley Middleton Stuart, *Hibbing, Minn.*
 Thomas John Sullivan, *West Hartford*
 Kenneth Walter Swanson, *W. Hartford*
 John Carter Swett, *Madison, N. J.*
 Alastair Lovat Taylor, *Glens Falls, N. Y.*
 David Marston Taylor, *Highland Park, N. J.*
 Lloyd Latham Temple, *Simsbury*
 Paul Peter Terry, *Chicago, Ill.*
 James Page Tewksbury, *Bronxville, N. Y.*
 Charles Engle Tholen, *Bronxville, N. Y.*
 Samuel Skidmore Thorpe, III, *Minneapolis, Minn.*
 Galen Harper Townley, *Merion Station, Pa.*
 Edward Peter Townsend, *Bethlehem, Pa.*
 John Fowlk Tulk, *So. Ozone Park, N. Y.*
 Peter Corliss Turner, *Norwall, Mass.*
 Dominick Joseph Vasques, *Hartford*
 John Robert Vaughan, Jr., *Winthrop, Mass.*

Giles Alfred Vigneault, *Hartford*
 Robert Charles Wareing, *West Hartford*
 Ronald Alyous Warren, *Wallington, N. J.*
 Michael Basquin Webber, *Sag Harbor, N. Y.*
 Kenneth Anson Weisburger, *Brooklyn, N. Y.*
 Bruce LeRoy Whitaker, *Wethersfield*
 George Alexander Whitaker, *W. Hartford*
 John Robert Wilkins, *River Edge, N. J.*
 John Richard Wilkman, *Bellerose, N. Y.*
 Henry Lane Williams, III, *Rochester, Minn.*
 George Joseph Willis, Jr., *Princeton, N. J.*
 Gordon Ray Wood, *Sullivan, Ill.*
 Bruce Buchanan Woodward, *Wethersfield*
 Morris Alan Woolfson, *Hartford*
 Lloyd Alvin Wyatt, *New Britain*
 Palmer Wood Wylde, *Newtonville, Mass.*
 Barton Rogers Young, Jr., *Jenkintown, Pa.*
 Henry Morris Zachs, *West Hartford*
 Hugh Adams Zimmerman, *Highland Park, Ill.*
 William John Zito, *Hartford*

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 Frederick Herbert Baird, *Waban, Mass.*
 Bruce Rogers Baker, *Rochester, N. Y.*
 H. Brooks Baker, *Washington, D. C.*
 Thomas Alden Barber, *Windsor*
 David Judd Barlow, *Granite Springs, N. Y.*
 Leo Edwin Barnes, *Snyder, N. Y.*
 Hans Walter Becherer, *Grosse Pointe, Mich.*
 David Booth Beers, *New Haven*
 Richard Leroy Behr, *Gladwyne, Pa.*
 Duncan Yorty Bennett, *South Orange, N. J.*
 John Joseph Bonsignore, *East Hartford*

Frank Holgate Boos, III, *Grosse Pointe, Mich.*
 Stephen Newbury Bowen, *Norwalk, Ohio*
 Winslow Brabson, *Staunton, Virginia*
 Edward Stephen Bradley, *Wilson*
 James Robert Bradley, *Philadelphia, Pa.*
 Phillip James Bratt, *Peekskill, N. Y.*
 Louis Brown, *Hartford*
 Theodor Brown, *Jamaica, N. Y.*
 Vincent James Bruno, *East Haven*
 John Russell Buckingham, *Fairfield*
 Franklin Wilcox Bulkley, *Red Bank, N. J.*
 Bryan Hammond Bunch, *Peoria, Ill.*
 Martin Stanley Caine, *Great Neck, N. Y.*
 Daniel Sebastian Calabro, *Hartford*
 Robert James Camarano, *Paterson, N. J.*
 George Edward Case, *Winsted*

Townsend Mills Cass, *Sumner, Iowa*
 Paul Amadeo Cataldo, *Franklin, Mass.*
 Robert MacDonald Champlin, *Westerly, R. I.*

Gerald Arthur Channell, *Darien*
 Carl Lawrence Christensen, *Clinton*
 William Bardwell Churchill, *Pearl River, N. Y.*

Russell Martin Clark, *Essex Fells, N. J.*
 William Clinton, *Wethersfield*
 Harvery Johnson Collins, *Milton, Mass.*
 Richard Denis Condon, *Wethersfield*
 Wilson Robert Corbin, *Wethersfield*
 Walter Clifford Crusberg, *Meriden*
 Ward Schenk Curran, *Springfield, Ill.*
 Roger Oscar Dahlin, *St. Paul Minn.*
 John Joseph Daly, *Hartford*
 Eddie Joseph Daniels, *Hartford*
 John Maynard Daniels, *Newington*
 John Milton Darcey, *Winsted*
 Neil McPherson Day, *West Springfield, Mass.*

Ezra Sampson Diman, IV, *Philippines*
 Thomas Doherty, *Wapping*
 David Drysdale Doolittle, *Winnetka, Ill.*

Robert Edwin Doran, III, *Geneva, N. Y.*

Robert John Douglas, *East Hartford*
 Myron Walter Drabowsky, *Wilson*
 Barlow Day Drayton, Jr., *Maplewood, N. J.*

Donald Hemings Duff, *Thomaston*
 Henry Earle, III, *Grosse Pointe, Mich.*
 Daniel Joseph Egan, Jr., *Hartford*
 Richard Owings Elder, *Maryland*
 David John Elliott, *Hartford*
 Donald John Ellwood, *Hartford*
 Robert Frank Erler, *Andover, Mass.*
 Richard Philip Ewald, *Plainville*
 Edward Stewart Ferguson, *East Weymouth, Mass.*

Donald Arthur Finkbeiner, Jr., *Tolledo, Ohio*

Philip Robert Fleishman, *Hartford*
 Ronald George Foster, *New Britain*
 F. Earle Fox, Jr., *Merion Station, Pa.*
 Peter Feldman Frank, *New York, N. Y.*
 Bertram Graeme Frazier, III, *Philadelphia Pa.*

Arthur Stanley Freedman, *Hartford*
 Frederic William Freeman, Jr., *Essex*
 Joseph Lloyd Gage, Jr., *Rosemont, Pa.*

Albert Franklin Garib, *Forest Hills, N. Y.*

Albert Leonard Geetter, *Hartford*
 David Presby Giammattei, *Tarrytown, N. Y.*

Paul Anthony Giffin, *Bloomington, Ind.*
 Ronald Eric Gocht, *Newington*
 Robert Hartley Godfrey, *Huntington, N. Y.*

Ronald LeRoy Godiksen, *West Hartford*

James Merwin Gould, *Berlin*
 Peter Ross Greer, *South Orange, N. J.*
 Ira Homer Grinnell, *Cheyenne Agency, South Dakota*

Albert Henry Guay, *Manchester*
 David Charles Haas, *Thomaston*
 John Hall, *Newport, R. I.*

Richard Harvey Hall, *Agawam, Mass.*
 Henry Davey Hamilton, *South Norwalk*

Trevor Anthony Hammond, *Hartford*
 Arthur Brooks Harlow, Jr., *Darien*
 Richard Alan Harrison, *Willimantic*
 Egon Erich Haug, *Maplewood, N. J.*
 Kenneth Willis Heeney, *New York*
 John Mark Hiebert, *Port Washington, N. Y.*

David Lloyd Hockett, *Larchmont, N. Y.*

Raymond Donald Hoffman, *Williams-ville, N. Y.*

William George Honsberger, *Ontario, Canada*

George Robert Hutcheson, *Tarrytown, N. Y.*

Vincent Joseph Irwin, III, *Avon*
 Leland Shattuck Jamieson, *DeLand, Florida*

Harold Kenneth Johnson, *East Hartford*

John Lawrence Johnston, *New York, N. Y.*

Russell Black Jones, Jr., *Westtown, Pa.*

Ward Swift Just, *Lake Forest, Ill.*

Norman Charles Kayser, *South Orange, N. J.*

George Joseph Kelleher, Jr., *Westfield, Mass.*

James Gordon Kenefick, Jr., *New Haven*

Paul Sherbourne Kennedy, *Honolulu, Hawaii*

Douglas James Kimber, *Oglesby, Ill.*

Alexey Alexander Kiseley, *New York, N. Y.*

Raymond Charles Kisonas, *Waterbury*
 Philip Durfee Kless, *Washington, D. C.*

Richard Paul Kompalla, *Buffalo, N. Y.*
 Thomas Charles Kratz, *Winnetka, Ill.*

John Jay Kuiper, *Highland Park, Ill.*
 Michael Acton Kunkis, *New York, N. Y.*

Philip Herbert Kylander, Jr., *Hartford*
 Ronald LaBella, *Demarest, N. J.*
 Ike Lasher, *New York, N. Y.*
 Joseph Louis Lavieri, *Hartford*
 William Ewing Learnard, *Chillicothe, Ill.*
 Michael Newbold Leeming, *Peekskill, N. Y.*
 Stephen Vaughan Letcher, *McHenry, Ill.*
 Michael Abraham Levin, *New Rochelle, N. Y.*
 Paul Harding Linscott, *Needham Heights, Mass.*
 Eugene Henry Lockfeld, *Westfield, N. J.*
 Kevin Michael Logan, *New Haven*
 Scott Davis Lothrop, *Dover, N. H.*
 William David Luke, *Wilmington, Del.*
 Malcolm Murdoch MacDonald, *Port Washington, N. Y.*
 Norman Piers Macfarlane, *Paoli, Pa.*
 David MacIsaac, *Somerville, Mass.*
 Colin Rodney MacIvor, *Walpole, Mass.*
 Douglas Edsall MacLeod, *Garden City, N. Y.*
 Peter Allen Makrianes, *Longmeadow, Mass.*
 William Frederick Mann, Jr., *Danbury*
 Paul Borden Marion, *Maplewood, N. J.*
 Robert Henry McBurney, *Swarthmore, Pa.*
 Robert Wallace McClenahan, *Pittsburgh, Pa.*
 Hugh David McCracken, Jr., *Wethersfield*
 William James McGill, Jr., *Flossmoor, Ill.*
 Jeremiah Hall McKelvy, *Greenwich*
 Robert James McMahon, *Hartford*
 Cortland Jevne Meader, *New York, N. Y.*
 Paul Melnyk, *Hartford*
 James Earl Melrose, *West Hartford*
 James Phillips Miller, *Pittsburgh, Pa.*
 John Randall, Miner, Jr., *Westerley, R. I.*
 Charles Edwin Morhardt, *New York, N. Y.*
 William Fosdick Morrison, *Milford*
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 David Eugene Murray, *Thomson, Ill.*

Manny Myerson, *West Hartford*
 Samuel Francis Niness, Jr., *Bryn Mawr, Pa.*
 Harold Wilson Noble, *Garden City, N. Y.*
 Dwight Livingston Oarr, *Cos Cob*
 Donald Kenneth Osterndorff, *Scarsdale, N. Y.*
 John Edward Parnum, *Philadelphia, Pa.*
 Russell William Partridge, *Wethersfield*
 Alan Douglas Payne, *East Williston, N. Y.*
 Martin Kershaw Payne, *Springfield, Mass.*
 Christopher Percy, *Waterford*
 Derek Carter Pershouse, *Englewood, N. J.*
 Walter Ruus Philipp, *Lake Forest, Ill.*
 William Neil Pierce, Jr., *Westfield, N. J.*
 Donald Marion Pillsbury, Jr., *Bala Cynwyd, Pa.*
 Myron Matthew Pisetsky, *Hartford*
 James John Pitchell, Jr., *Hartford*
 Stuart Shumway Poole, *Lake Forest, Ill.*
 Frank Donald Popowics, *East Hampton*
 Richard Lane Pryor, *St. Paul, Minn.*
 Richard Walker Purdy, *Brookline, Mass.*
 Russell Irving Quick, *Guilford*
 Douglas Bowlyn Raynard, *Wethersfield*
 Edwin Walter Reichard, *Manchester*
 Harry Clinton Reichard, Jr., *Conshohocken, Pa.*
 Normand Denis Richard, *Hartford*
 William Oliver Richards, *Cranford, N. J.*
 Robert Edward Richardson, Jr., *Munchester*
 David Christian Rohlfing, *Rock Island, Ill.*
 Robert Morton Rosenfeld, *West Hartford*
 John Arnold Ross, *Stratford*
 Clyde Stephenson Rowley, Jr., *Oak Park, Ill.*
 Paul William Russo, *Wellesley, Mass.*
 Rupert Russell St. John, *Granby*
 Richard Joseph Salamon, *New Britain*
 William Stewart Scherer, *Minneapolis, Minn.*
 Walter Charles Shannon, *Watertown*

- Robert Austin Shaw, *East Greenwich, R. I.*
 John Merchant Sherman, *Lake Forest, Ill.*
 John Duncan Shields, *Glen Head, N. Y.*
 Frederick Ponsonby-Sexton Sill, *Pedro Miguel, Canal Zone*
 Mandel Elihu Slater, *West Hartford*
 Barry Kent Sleath, *Levittown, Pa.*
 Frederic Cecil Snider, *Walnut, Ill.*
 Humberto Ybarra Solano, *Mexico*
 Franz Theodore Solmssen, *Summit, N. J.*
 Ronald Lee Sorensen, *East Hartford*
 Joseph Paul Spatt, *Hartford*
 Henry Dyke N. Spear, *Elmwood*
 Robert Martin Stevenson, Jr., *Washington, D. C.*
 Donald Burton Stokes, *Middletown*
 William Lee Stout, *Rumson, N. J.*
 Gordon Warren Szamier, *Bristol*
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 Robert King Taylor, *South Lancaster, Mass.*
 Melvin Carl Tews, *Ashton, Ill.*
 Joseph Alexander Therrien, Jr., *West Hartford*
 William Henry Thorn, III, *Philadelphia, Pa.*
 Frederick Moore Tobin, *Hamden*
 James Dean Twiname, *Pleasantville, N. Y.*
- Anthony Joseph Valdati, *Glastonbury*
 Murray Aaron Varat, *Glastonbury*
 Nicholas Joseph Vincent, *Hartford*
 Stephan von Molnar, *New York, N. Y.*
 Michael Lee Wallace, *Evanston, Ill.*
 Peter Zachs Webster, *Palmyra, N. Y.*
 Harold Larry Weil, *Ridgewood, N. J.*
 Nelson Henry White, Jr., *New Hartford*
 Edward Archibald Whitney, *Bridgeport*
 Patrick Gordon Whitney, *Buenos Aires, Argentina*
 James Martin Wiegman, *Williamsport, Pa.*
 David Lloyd Williams, *Springfield, Mass.*
 James Douglas Wilson, *West Hartford*
 Peter Sedgwick Wilson, *Clinton*
 Henry Albert Wilus, *Hartford*
 Nathaniel Robbins Winslow, Jr., *Highland Park, N. J.*
 Duane Nelson Wolcott, *Chevy Chase, Md.*
 Leonard Harold Wolin, *Brooklyn, N. Y.*
 John William Wood, *Shaker Heights, Ohio*
 John Hall Woodward, *South Kent*
 Robert Charles Worthey, *Philadelphia, Pa.*
 John Everett Yale, *Quebec, Canada*

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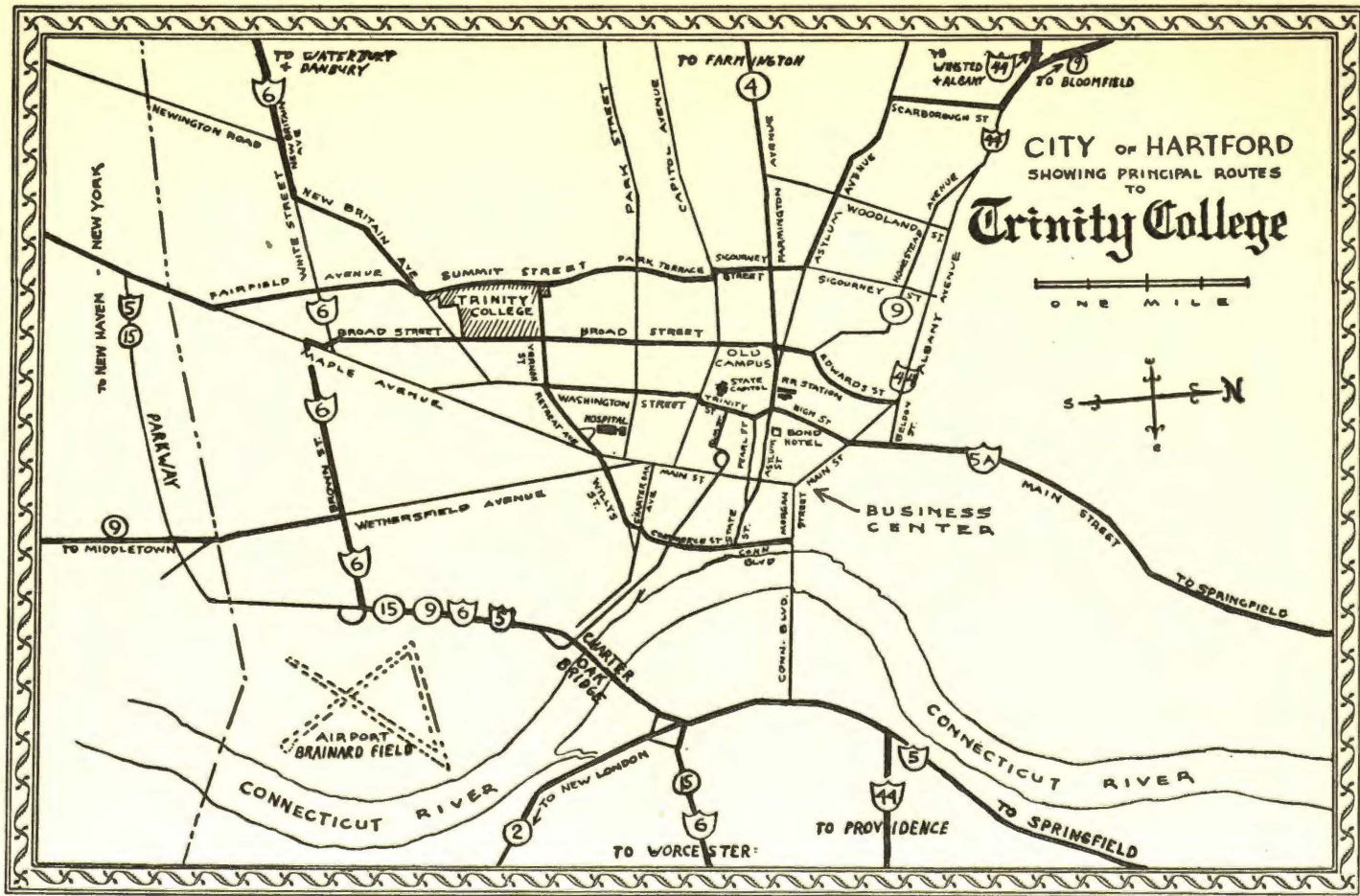
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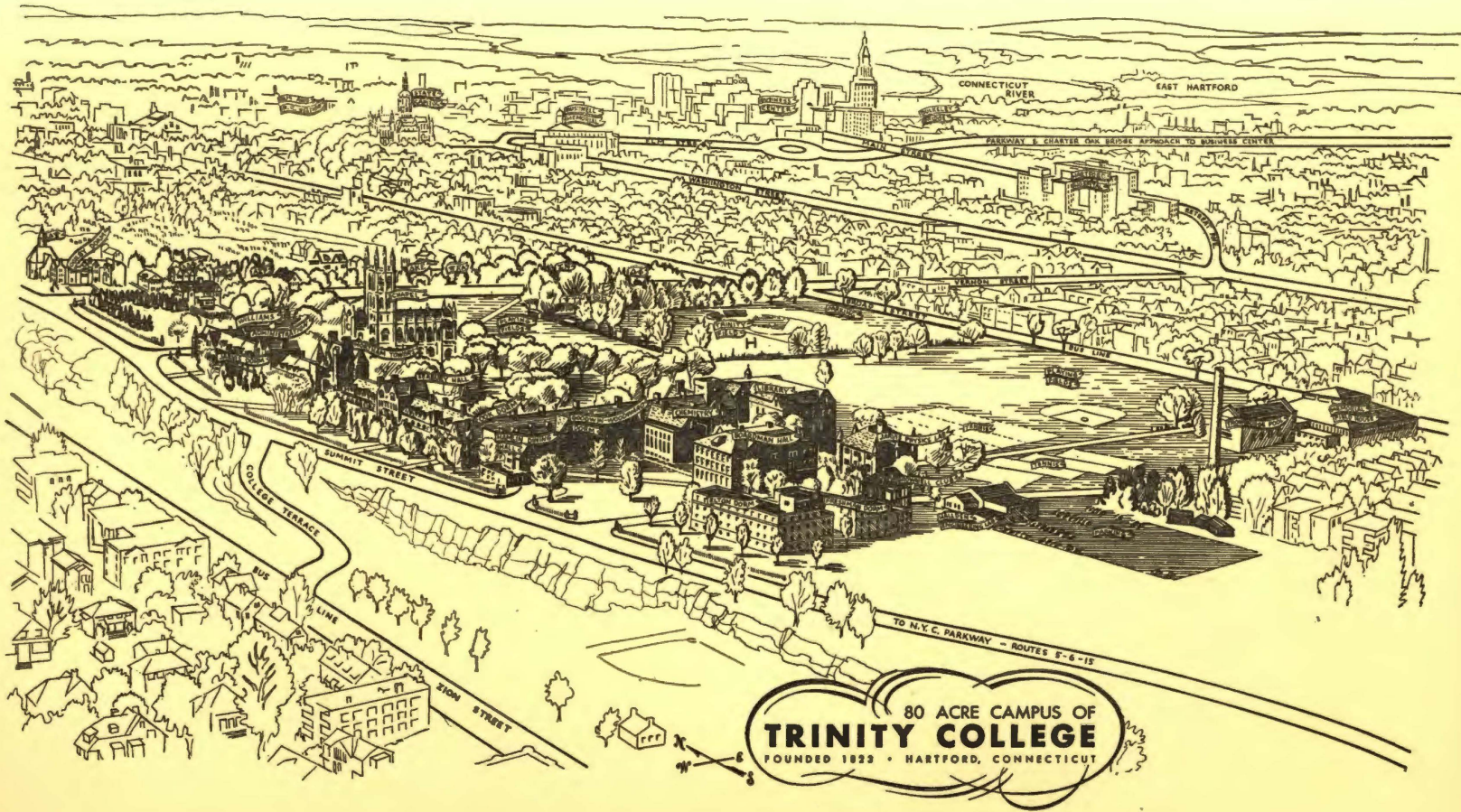
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